

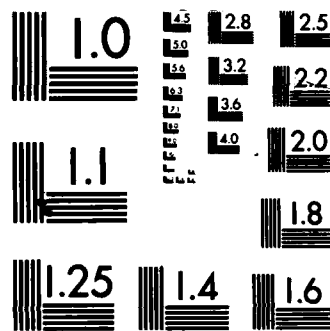
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Performance Monitoring System : Summary of Lock Statistics for October-December 1984

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Summary Report 85-SR-2
Revision 1

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 85-SR-2 - Revision 1	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) lock Performance Monitoring System PMS statistics		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Lock Performance Monitoring data are collected at Corps locks by lock operators from observation and information provided by waterway operators. This quarterly summary is an overview of the collected statistics.		

**PERFORMANCE MONITORING SYSTEM
SUMMARY OF LOCK STATISTICS
OCTOBER 1984 - DECEMBER 1984**

U.S. Army Corps of Engineers
Water Resources Support Center
Institute for Water Resources
Ft. Belvoir, Virginia 22060-5586

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December 1985

Summary Report 85-SR-2
Revision 1

PREFACE

This report is a product of the Navigation Data Management and Applications Branch of the U. S. Army Engineer Institute for Water Resources (WRSC-IWR). The information is compiled from statistics collected at the Corps locks in support of the lock Performance Monitoring System (PMS).

The study is managed by Miss Julie A. Oweis under the supervision of Mr. Francis M. Sharp, Chief of the WRSC-IWR Navigation Data Management and Applications Branch, and Dr. Lloyd G. Antle, Chief of the WRSC-IWR Navigation Division. The Office of the Chief of Engineers (OCE) sponsors are Mr. Robert Schmitt, DAEN-CWO-M, and Mr. Robert M. Daniel, DAEN-CWP-G.

Requests to update or change the distribution, comments and questions can be directed to Frank Sharp (202-355-3083) or Robert Baldwin (202-653-1007). The information is produced and distributed quarterly.


JAMES R. HANCHEY
Director, WRSC-IWR

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Appendix B: Glossary

Introduction

The lock Performance Monitoring System (PMS) is a part of the Inland Navigation Systems Analysis (INSA) program and encompasses the collection, editing, maintenance and analysis of data collected at all Corps-owned and operated locks. The data have been collected since March of 1975 and consist of information describing the traffic through the locks as well as the physical aspects of lockages. The quarterly summary of selected statistics presented in the appendix provides an overview of the traffic and operation at each lock. The quarterly report is presented as a set of three tables for each Corps District. Information reported for each lock and chamber include:

TABLE 1. - A listing providing the name of the lock, the river on which the lock is and its dimensions. In those cases where there is no quarterly information, this table will be the only display for the district.

TABLE 2. - A table providing, by direction and total, the number of tows, commercial vessels other than tows, recreational vessels, barges (empty and loaded), commercial lockages, recreational lockages and tonnage.

TABLE 3. - A summary of approach, entry, chambering and exit times (maximum, minimum and average) and the number of delays, total delay time, maximum delay time and average delay time.

Although the summary information will be computed and displayed for chambers at which there is data for only one or two months of the quarter, the fact is noted on the report.

APPENDIX A

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TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC B2	DISTRICT NAME NEW ORLEANS	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
ATCHAFALAYA RIVER	11-BERMICK LOCK	0307/0045/11.0			
BAYOU TECHE	31-KEYSTONE LOCK	0162/0036/12.0			
FRESHWATER BAYOU	41-FRESHWATER BAYOU LOCK	0600/0084/15.0			
GULF INTRACOASTAL	01-PORT ALLEN LOCK	1198/0084/15.0			
	02-BAYOU SORREL LOCK	0800/0056/16.0			
	03-INNER HRBR NAVIGATION CANL LK	0646/0075/40.0			
	04-ALGIERS LOCK	0797/0075/15.0			
	05-HARVEY LOCK	0425/0075/14.0			
	06-BAYOU BOEUF LOCK	1158/0075/15.0			
	07-VERMILLION LOCK	1200/0056/14.0			
	08-CALCASIEU LOCK	1205/0075/15.0			
	21-SCHOONER BAYOU CONTROL STRUCT	9999/0075/14.0			
	22-CATFISH POINT CONTROL STRUCT	9999/0056/16.0			
	23-CALCASIEU SALT WATER BARRIER	9999/0056/15.0			
	77-LELAND BOWMAN LOCK	1200/0110/15.0			
OLD RIVER	51-OLD RIVER LOCK	1200/0075/15.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC B2	DISTRICT NAME NEW ORLEANS	DIVISION NAME LOWER MISS VALLEY					MONTHS REPORTED						
							10/84	11/84			12/84		
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)
ATCHAFALAYA RIVER													
BERWICK LOCK		xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS		89	194	105	388	64	29	93	215	118	21	354	30
DNBOUND STATISTICS		82	245	93	420	56	29	85	201	144	19	364	21
TOTAL		171	439	198	808	120	58	178	416	262	40	718	51
BAYOU TECHE													
KEYSTONE LOCK		xxx											
UPBOUND STATISTICS		4	9	0	13	0	8	8	9	4	2	15	8
DNBOUND STATISTICS		4	4	0	8	8	0	8	9	4	2	15	0
TOTAL		8	13	0	21	8	8	16	18	8	4	30	8
FRESHWATER BAYOU													
FRESHWATER BAYOU LOCK		xxx											
UPBOUND STATISTICS		607	205	3203	4015	5	612	617	1615	12	586	2213	352
DNBOUND STATISTICS		816	216	2832	3864	12	813	825	1582	10	617	2209	619
TOTAL		1423	421	6035	7879	17	1425	1442	3197	22	1203	4422	972
GULF INTRACOASTAL													
PORT ALLEN LOCK		xxx											
UPBOUND STATISTICS		923	2	170	1095	894	1794	2688	788	0	10	798	3711
DNBOUND STATISTICS		733	9	162	904	926	1077	2003	670	4	9	683	1900
TOTAL		1656	11	332	1999	1820	2871	4691	1458	4	19	1481	5612
BAYOU SORREL LOCK		xxx											
UPBOUND STATISTICS		959	2	184	1145	836	1837	2673	721	1	346	1068	3245
DNBOUND STATISTICS		722	3	244	969	941	1004	1945	603	1	295	899	1701
TOTAL		1681	5	428	2114	1777	2841	4618	1324	2	641	1967	4946
INNER HRBR NAVIGATION CANL LK		xxx											
UPBOUND STATISTICS		1614	72	974	2660	1823	1631	3454	1690	28	22	1740	2324
DNBOUND STATISTICS		1599	221	1051	2871	1493	2084	3577	1742	59	12	1813	3410
TOTAL		3213	293	2025	5531	3316	3715	7031	3432	87	34	3553	5735

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC B2	DISTRICT NAME NEW ORLEANS	DIVISION NAME LOWER MISS VALLEY						MONTHS REPORTED					TONNAGE (KTONS)
								10/84	11/84		12/84		
RIVER/LOCK NAME	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL		
(NAV, OPN, ETC)													
GULF INTRACOASTAL													
ALGIERS LOCK	XXX												
UPBOUND STATISTICS	1329	9	352	1690	1111	1990	3101	1208	2	126	1336	3447	
DNBOUND STATISTICS	1549	21	387	1957	2167	1983	4150	1554	5	114	1673	2775	
TOTAL	2878	30	739	3647	3278	3973	7251	2762	7	240	3009	6222	
HARVEY LOCK	XXX												
UPBOUND STATISTICS	598	95	942	1635	522	424	946	1201	40	18	1259	415	
DNBOUND STATISTICS	540	55	783	1378	416	351	767	1032	29	22	1083	360	
TOTAL	1138	150	1725	3013	938	775	1713	2233	69	40	2342	775	
BAYOU BOEUF LOCK	XXX												
UPBOUND STATISTICS	2451	140	1569	4160	1718	2639	4357	1013	0	953	1966	3611	
DNBOUND STATISTICS	2735	124	1603	4462	2727	2640	5367	1137	0	1027	2164	2905	
TOTAL	5186	264	3172	8622	4445	5279	9724	2150	0	1980	4130	6517	
VERMILLION LOCK	XXX												
UPBOUND STATISTICS	1684	9	214	1907	1786	2745	4531	571	20	1193	1784	5239	
DNBOUND STATISTICS	1657	16	181	1854	2096	2561	4657	538	25	1153	1716	4328	
TOTAL	3341	25	395	3761	3882	5306	9188	1109	45	2346	3500	9568	
CALCASIEU LOCK	XXX												
UPBOUND STATISTICS	1779	41	285	2105	2038	2648	4686	400	3	1360	1763	4868	
DNBOUND STATISTICS	1782	32	196	2010	1893	2863	4756	358	5	1396	1759	4858	
TOTAL	3561	73	481	4115	3931	5511	9442	758	8	2756	3522	9727	
SCHOONER BAYOU CONTROL STRUCT	XXX												
UPBOUND STATISTICS	165	52	45	262	122	109	231	45	23	208	276	63	
DNBOUND STATISTICS	186	150	150	486	64	173	237	46	17	219	282	107	
TOTAL	351	202	195	748	186	282	468	91	40	427	558	170	
CATFISH POINT CONTROL STRUCT	XXX												
UPBOUND STATISTICS	118	30	38	186	25	148	173	23	15	151	189	138	
DNBOUND STATISTICS	119	29	25	173	122	51	173	14	22	147	183	31	
TOTAL	237	59	63	359	147	199	346	37	37	298	372	170	
CALCASIEU SALT WATER BARRIER	XXX												
UPBOUND STATISTICS	16	427	7	450	11	9	20	256	335	283	362	11	
DNBOUND STATISTICS	20	394	3	417	8	12	20	240	324	267	351	19	
TOTAL	36	821	10	867	19	21	40	496	659	550	713	31	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC B2	DISTRICT NAME NEW ORLEANS	DIVISION NAME LOWER MISS VALLEY		MONTHS REPORTED								
				10/84			11/84			12/84		
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
GULF INTRACOASTAL												
LELAND BOWMAN LOCK	XXX	NO DATA RECORDED FOR THIS LOCK										
OLD RIVER	XXX											
OLD RIVER LOCK	XXX											
UPBOUND STATISTICS	178	6	58	242	308	305	613	218	5	86	309	530
DNBOUND STATISTICS	166	16	58	240	247	339	586	211	13	79	303	477
TOTAL	344	22	116	482	555	644	1199	429	18	165	612	1007

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC B2	DISTRICT NAME NEW ORLEANS			DIVISION NAME LOWER MISS VALLEY									MONTHS REPORTED 10/84 11/84 12/84				
ALL TIMES EXPRESSED IN MINUTES																	
APPROACH			LOCK PROCESSING TIME (MIN.)									: DELAYED TOWS	DELAY TIME TOWS	DELAY AVG TOWS	DELAY MAX (ALL VSLS)		
			: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX					: MIN	AVG
GULF INTRACOASTAL																	
VERMILLION LOCK	1	12	105	1	4	81	1	4	380	1	4	67	3333	406026	121.5	1802	
CALCASIEU LOCK	1	12	83	1	3	63	1	3	35	1	4	39	3559	97826	27.4	980	
SCHOONER BAYOU CONTROL STRUC	1	2	62	1	1	2	1	1	2	1	1	2	284	1280	3.6	40	
CATFISH POINT CONTROL STRUCT	1	2	61	1	1	8	1	1	7	1	1	9	236	1029	4.3	62	
CALCASIEU SALT WATER BARRIER	1	1	8	1	1	5	1	1	5	1	1	8	36	275	7.6	25	
LELAND BOWMAN LOCK	NO DATA RECORDED FOR THIS LOCK																
OLD RIVER																	
OLD RIVER LOCK	1	6	40	1	5	350	1	10	45	1	4	25	338	5810	16.8	302	

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC B3	DISTRICT NAME ST LOUIS	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
KASKASKIA RIVER	01-KASKASKIA RIVER NAVAGATION LK	0610/0084/12.0			
MISSISSIPPI RIVER	24-LOCK & DAM 24	0610/0110/12.0			
	25-LOCK & DAM 25	0610/0110/12.0			
	26-LOCK & DAM 26	0610/0110/12.0			
	26-LOCK & DAM 26 AUX 1	0380/0110/12.0			
	27-CHAIN OF ROCKS LOCK & DAM 27	1210/0110/12.0			
	27-CHAIN OF ROCKS LK & DM 27 AX1	0610/0110/12.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC B3	DISTRICT NAME ST LOUIS	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECR TN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)												
KASKASKIA RIVER												
KASKASKIA RIVER NAVAGATION LK	xxx											
UPBOUND STATISTICS	170	50	56	276	460	246	706	223	49	1	273	186
DNBOUND STATISTICS	174	49	58	281	218	484	702	232	48	1	281	720
TOTAL	344	99	114	557	678	730	1408	455	97	2	554	907
MISSISSIPPI RIVER												
LOCK & DAM 24	xxx											
UPBOUND STATISTICS	375	14	51	440	2405	1320	3725	623	14	12	649	2032
DNBOUND STATISTICS	481	40	15	536	338	5218	5556	826	50	15	891	7359
TOTAL	856	54	66	976	2743	6538	9281	1449	64	27	1540	9391
LOCK & DAM 25	xxx											
UPBOUND STATISTICS	375	20	95	490	2388	1317	3705	621	16	95	732	2130
DNBOUND STATISTICS	488	63	51	602	353	5229	5582	813	54	105	972	7370
TOTAL	863	83	146	1092	2741	6546	9287	1434	70	200	1704	9500
LOCK & DAM 26	xxx											
UPBOUND STATISTICS	579	0	29	608	4960	2501	7461	1099	0	7	1106	3793
DNBOUND STATISTICS	739	2	7	748	617	8906	9523	1402	0	11	1413	12656
TOTAL	1318	2	36	1356	5577	11407	16984	2501	0	18	2519	16449
LOCK & DAM 26 AUX 1	xxx											
UPBOUND STATISTICS	384	18	104	506	741	725	1466	734	9	12	755	1314
DNBOUND STATISTICS	367	201	72	640	468	1024	1492	683	109	12	804	1538
TOTAL	751	219	176	1146	1209	1749	2958	1417	118	24	1559	2852
CHAIN OF ROCKS LOCK & DAM 27	xxx											
UPBOUND STATISTICS	992	6	186	1184	5725	3386	9111	1036	2	10	1048	5571
DNBOUND STATISTICS	1105	35	122	1262	1131	9806	10937	1106	10	16	1132	14040
TOTAL	2097	41	308	2446	6856	13192	20048	2142	12	26	2180	19612
CHAIN OF ROCKS LK & DM 27 AX1	xxx											
UPBOUND STATISTICS	240	14	118	372	339	203	542	325	6	20	351	302
DNBOUND STATISTICS	295	160	83	538	289	628	917	363	54	19	436	901
TOTAL	535	174	201	910	628	831	1459	688	60	39	787	1203

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC B3	DISTRICT NAME			DIVISION NAME									MONTHS REPORTED							
	ST LOUIS			LOWER MISS VALLEY									10/84				11/84		12/84	
ALL TIMES EXPRESSED IN MINUTES																				
												DELATED	DELAY	DELAY	DELAY					
												TOWS	TIME	AVG	MAX					
												TOWS	TOWS	TOWS	(ALL VSL)					
KASKASKIA RIVER																				
KASKASKIA RIVER NAVAGATION L	1	6	30	1	4	23	5	9	37	1	4	17	17	297	0.8	45				
MISSISSIPPI RIVER																				
LOCK & DAM 24	1	9	156	1	8	39	4	10	34	1	17	55	647	125116	146.1	1398				
LOCK & DAM 25	1	8	79	1	8	46	4	9	66	1	15	421	858	313982	343.8	1903				
LOCK & DAM 26	1	3	66	1	9	41	3	12	43	1	10	95	1318	763522	579.3	3126				
LOCK & DAM 26 AUX 1	1	6	56	1	7	71	4	12	45	1	9	60	747	94847	126.2	2222				
CHAIN OF ROCKS LOCK & DAM 27	1	9	73	1	7	30	4	11	76	1	7	118	1686	179175	85.4	1741				
CHAIN OF ROCKS LK & DM 27 AX	1	7	43	1	3	29	5	10	43	1	3	35	227	6314	11.8	242				

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC B4	DISTRICT NAME VICKSBURG	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/MID/DRAFT (FT/FT/FT)			
OUCHITA/BLACK RIV	01-JONESVILLE LOCK & DAM	0600/0084/23.4			
	02-COLUMBIA LOCK & DAM	0600/0084/27.4			
	03-FELSENTAL LOCK & DAM	0600/0084/11.0			
	04-CALION LOCK & DAM	0600/0084/11.0			
	06-LOCK & DAM 6	0268/0055/17.4			
	08-LOCK & DAM 8	0268/0055/19.0			
RED RIVER	41-RED RIVER LOCK & DAM #1	0685/0084/ 9.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC B4	DISTRICT NAME VICKSBURG	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
OUCHITA/BLACK RIV												
JONESVILLE LOCK & DAM	XXX											
UPBOUND STATISTICS	41	0	3	44	77	59	136	48	0	9	57	100
DNBOUND STATISTICS	44	0	5	49	56	92	148	50	0	11	61	125
TOTAL	85	0	8	93	133	151	284	98	0	20	118	225
COLUMBIA LOCK & DAM												
JONESVILLE LOCK & DAM	XXX											
UPBOUND STATISTICS	14	11	2	27	6	29	35	16	9	5	30	40
DNBOUND STATISTICS	13	14	5	32	23	11	34	17	10	8	35	17
TOTAL	27	25	7	59	29	40	69	33	19	13	65	58
FELSENTHAL LOCK & DAM												
JONESVILLE LOCK & DAM	XXX											
UPBOUND STATISTICS	2	20	2	24	0	3	3	4	16	3	23	2
DNBOUND STATISTICS	3	25	8	36	5	1	6	5	20	5	30	0
TOTAL	5	45	10	60	5	4	9	9	36	8	53	3
CALION LOCK & DAM												
JONESVILLE LOCK & DAM	XXX											
UPBOUND STATISTICS	4	6	3	13	0	7	7	1	6	21	26	2
DNBOUND STATISTICS	2	4	10	16	2	2	4	4	4	30	30	0
TOTAL	6	10	13	29	2	9	11	5	10	51	56	2
LOCK & DAM 6	XXX	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 8	XXX	NO DATA RECORDED FOR THIS LOCK										
RED RIVER												
RED RIVER LOCK & DAM #1	XXX											
UPBOUND STATISTICS	49	4	19	72	4	91	95	69	3	5	77	117
DNBOUND STATISTICS	46	5	21	72	98	7	105	67	2	2	71	6
TOTAL	95	9	40	144	102	98	200	136	5	7	148	124

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC E3	DISTRICT NAME NEW YORK	DIVISION NAME NORTH ATLANTIC	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
HUDSON RIVER	01-TROY LOCK & DAM	0493/0044/15.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC E3	DISTRICT NAME NEW YORK	DIVISION NAME NORTH ATLANTIC	MONTHS REPORTED										
			10/84			11/84			12/84				
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
HUDSON RIVER													
TROY LOCK & DAM		XXX											
UPBOUND STATISTICS		56	91	3	150	1	62	63	63	68	26	157	123
DNBOUND STATISTICS		66	262	1	329	65	5	70	72	190	24	286	0
TOTAL		122	353	4	479	66	67	133	135	258	50	443	124

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC E3	DISTRICT NAME			DIVISION NAME			MONTHS REPORTED													
	NEW YORK			NORTH ATLANTIC			10/84					11/84					12/84			

ALL TIMES EXPRESSED IN MINUTES																				
LOCK PROCESSING TIME (MIN.)																				
: DELAYED DELAY DELAY DELAY																				
: TOWS TIME AVG MAX																				
: TOWS TOWS (ALL VSLS)																				

HUDSON RIVER																				
TROY LOCK & DAM																				
3 7 18 3 4 10 9 10 14 2 5 10 50 336 2.7 25																				

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
E4	NORFOLK	NORTH ATLANTIC	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ATLANT INTRCOASTAL	11-GREAT BRIDGE GUARD LOCK	0530/0072/12.0
DISMAL SWAMP	01-DEEP CREEK LOCK	0300/0052/ 6.0
	02-SOUTH HILLS LOCK	0300/0052/ 6.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC E4	DISTRICT NAME NORFOLK	DIVISION NAME NORTH ATLANTIC	MONTHS REPORTED										
			10/84		11/84		12/84						
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
ATLANT INTRCOASTAL													
GREAT BRIDGE GUARD LOCK		XXX											
UPBOUND STATISTICS		166	226	67	459	82	122	204	222	138	12	372	136
DNBOUND STATISTICS		170	2667	59	2896	125	82	207	226	677	18	921	84
TOTAL		336	2893	126	3355	207	204	411	448	815	30	1293	221
DISMAL SWAMP													
DEEP CREEK LOCK		XXX	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		0	300	1	301	0	0	0	0	89	0	89	0
DNBOUND STATISTICS		0	29	0	29	0	0	0	0	19	1	20	0
TOTAL		0	329	1	330	0	0	0	0	108	1	109	0
SOUTH MILLS LOCK		XXX											
UPBOUND STATISTICS		0	28	0	28	0	0	0	0	20	1	21	0
DNBOUND STATISTICS		0	303	0	303	0	0	0	0	86	1	87	0
TOTAL		0	331	0	331	0	0	0	0	106	2	108	0

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC E4	DISTRICT NAME NORFOLK	DIVISION NAME NORTH ATLANTIC	MONTHS REPORTED																	
			10/84				11/84				12/84									
															ALL TIMES EXPRESSED IN MINUTES					
			LOCK PROCESSING TIME (MIN.)												; DELAYED TOWS	DELAY TIME TOWS	DELAY AVG TOWS	DELAY MAX (ALL VSLS)		
			APPROACH			ENTRY			CHAMBER			EXIT								
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:					
ATLANT INTRACOASTAL																				
GREAT BRIDGE GUARD LOCK	1	3	10	:	2	4	10	:	2	7	45	:	1	4	56	:	336	1600	4.7	4
DISMAL SWAMP																				
DEEP CREEK LOCK	4	4	5	:	3	4	5	:	10	10	20	:	5	5	35	:	0	0	0.0	/
SOUTH HILLS LOCK	2	4	6	:	3	4	7	:	10	10	11	:	3	5	25	:	0	0	0.0	120

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F1	BUFFALO	NORTH CENTRAL	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
BLK ROCK CH/TONAWANDA	01-BLACK ROCK LOCK		0650/0070/21.6		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC F1	DISTRICT NAME BUFFALO	DIVISION NAME NORTH CENTRAL						MONTHS REPORTED				
								10/84	11/84	12/84		
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	(KTONS)
		(NAV, OPN, ETC)										
BLK ROCK CH/TONAWANDA												
BLACK ROCK LOCK	xxx											
UPBOUND STATISTICS	1	190	20	211	0	1	1	22	95	10	127	7
DNBOUND STATISTICS	15	311	6	332	0	17	17	24	167	14	205	135
TOTAL	16	501	26	543	0	18	18	46	262	24	332	142

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC F1	DISTRICT NAME			DIVISION NAME								MONTHS REPORTED							
	BUFFALO			NORTH CENTRAL								10/84		11/84		12/84			

															ALL TIMES EXPRESSED IN MINUTES				
															:	DELAYED	DELAY	DELAY	DELAY
															:	TOWS	TIME	AVG	MAX
															:	TOWS	TOWS	(ALL VSLS)	

BLK ROCK CH/TONAHANDA																			
BLACK ROCK LOCK			1	1	10	1	1	15	9	11	16	1	1	11	0	0	0.0	32	

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F2	CHICAGO	NORTH CENTRAL	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CHICAGO HARBOR	01-CHICAGO LOCK	0600/0080/21.5

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PHS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F3	DETROIT	NORTH CENTRAL	10/84	11/84	12/84
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
FOX RIVER	11-DE PERE LOCK & DAM		0146/0036/ 6.0		
	12-LITTLE KAUKAUNA LOCK & DAM		0146/0036/ 6.0		
	13-RAPIDE CROCHE LOCK & DAM		0146/0036/ 6.0		
	21-KAUKAUNA LOCK 1		0144/0035/ 6.0		
	22-KAUKAUNA LOCK 2		0144/0035/ 6.0		
	23-KAUKAUNA LOCK 3		0144/0031/ 6.0		
	24-KAUKAUNA LOCK 4		0144/0037/ 6.0		
	25-KAUKAUNA LOCK 5		0144/0036/ 6.0		
	32-LITTLE CHUTE LOCK 2		0147/0035/ 6.0		
	33-LITTLE CHUTE COMB LOCKS UPPER		0144/0036/ 6.0		
	34-LITTLE CHUTE COMB LOCKS LOWER		0147/0035/ 6.0		
	35-CEDARS LOCK & DAM		0144/0035/ 6.0		
	41-APPLETON LOCK 1		0145/0034/ 6.0		
	42-APPLETON LOCK 2		0145/0035/ 6.0		
	43-APPLETON LOCK 3		0144/0035/ 6.0		
	44-APPLETON LOCK 4		0144/0035/ 6.0		
	51-MENASHA LOCK & DAM		0144/0034/ 6.0		
THE INLAND ROUTE	61-ALANSON LOCK		0066/0018/ 7.0		
ST MARYS RIVER	01-MACARTHUR LOCK		0800/0080/31.0		
	02-NEW POE LOCK		1200/0110/32.0		
	03-DAVIS LOCK00		1350/0080/23.0		
	04-SABIN LOCK00		1350/0080/23.0		

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PHS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
ILLINOIS	01-THOMAS J O'BRIEN		1000/0110/12.0		
	02-LOCKPORT LOCK		0600/0110/12.0		
	03-BRANDON ROAD LOCK & DAM		0600/0110/12.0		
	04-DRESDEN ISLAND LOCK & DAM		0600/0110/12.0		
	05-MARSTELLES LOCK & DAM		0600/0110/12.0		
	06-STARVED ROCK LOCK & DAM		0600/0110/12.0		
	07-PEORIA LOCK & DAM		0600/0110/12.0		
	08-LAGRANGE LOCK & DAM		0600/0110/12.0		
MISSISSIPPI RIVER	11-LOCK & DAM 11		0600/0110/10.0		
	12-LOCK & DAM 12		0600/0110/10.0		
	13-LOCK & DAM 13		0600/0110/10.0		
	14-LOCK & DAM 14		0600/0110/10.0		
	14-LOCK & DAM 14 AUXILIARY 1		0320/0080/10.0		
	15-LOCK & DAM 15		0600/0110/10.0		
	15-LOCK & DAM 15 AUXILIARY 1		0360/0110/10.0		
	16-LOCK & DAM 16		0600/0110/10.0		
	17-LOCK & DAM 17		0600/0110/10.0		
	18-LOCK & DAM 18		0600/0110/10.0		
	19-LOCK & DAM 19		1200/0110/10.0		
	19-LOCK & DAM 19 AUXILIARY 1		1350/0110/10.0		
	20-LOCK & DAM 20		0600/0110/10.0		
	21-LOCK & DAM 21		0600/0110/10.0		
	22-LOCK & DAM 22		0600/0110/10.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND		DIVISION NAME NORTH CENTRAL	MONTHS REPORTED								
				10/84			11/84			12/84		
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGS	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
ILLINOIS												
THOMAS J O'BRIEN	XXX											
UPBOUND STATISTICS	303	185	53	541	336	566	902	351	135	2	488	862
DNBOUND STATISTICS	284	823	60	1167	399	434	833	341	351	4	696	694
TOTAL	587	1008	113	1708	735	1000	1735	692	486	6	1184	1556
LOCKPORT LOCK	XXX											
UPBOUND STATISTICS	497	16	56	569	463	2064	2527	560	9	0	569	3087
DNBOUND STATISTICS	508	156	62	726	1586	901	2487	573	63	1	637	1476
TOTAL	1005	172	118	1295	2049	2965	5014	1133	72	1	1206	4563
BRANDON ROAD LOCK & DAM	XXX											
UPBOUND STATISTICS	512	15	131	658	539	2045	2584	622	10	1	633	3084
DNBOUND STATISTICS	504	164	131	799	1547	966	2513	620	75	2	697	1583
TOTAL	1016	179	262	1457	2086	3011	5097	1242	85	3	1330	4668
DRESDEN ISLAND LOCK & DAM	XXX											
UPBOUND STATISTICS	433	36	33	502	554	2031	2585	564	30	9	603	3132
DNBOUND STATISTICS	451	145	26	622	1476	1124	2600	557	93	7	657	1905
TOTAL	884	181	59	1124	2030	3155	5185	1121	123	16	1260	5037
MARSELLES LOCK & DAM	XXX											
UPBOUND STATISTICS	428	57	36	521	726	1903	2629	581	38	10	629	3032
DNBOUND STATISTICS	440	134	32	606	1267	1416	2683	580	93	11	684	2309
TOTAL	868	191	68	1127	1993	3319	5312	1161	131	21	1313	5342
STARVED ROCK LOCK & DAM	XXX											
UPBOUND STATISTICS	455	46	22	523	1029	1947	2976	619	38	3	660	3112
DNBOUND STATISTICS	456	128	21	605	1252	1734	2986	611	101	6	718	2751
TOTAL	911	174	43	1128	2281	3681	5962	1230	139	9	1378	5864
PEORIA LOCK & DAM	XXX											
UPBOUND STATISTICS	490	27	34	551	2031	2264	4295	711	16	72	799	3622
DNBOUND STATISTICS	507	134	16	657	1289	2942	4231	692	97	78	867	4442
TOTAL	997	161	50	1208	3320	5206	8526	1403	113	150	1666	8065
LAGRANGE LOCK & DAM	XXX											
UPBOUND STATISTICS	472	16	24	512	2825	1858	4683	635	9	137	781	3063
DNBOUND STATISTICS	495	150	12	657	738	3967	4705	587	94	163	844	5833
TOTAL	967	166	36	1169	3563	5825	9388	1222	103	300	1625	8896

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL					MONTHS REPORTED						
							10/84	11/84			12/84		
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES CONMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS) (NAV, OPN, ETC)
MISSISSIPPI RIVER													
LOCK & DAM 11		XXX											
UPBOUND STATISTICS		177	83	46	306	941	716	1657	285	77	26	388	1101
DNBOUND STATISTICS		240	112	21	373	127	2553	2680	392	109	27	528	3645
TOTAL		417	195	67	679	1068	3269	4337	677	186	53	916	4747
LOCK & DAM 12		XXX											
UPBOUND STATISTICS		193	88	42	323	1053	811	1864	320	59	24	403	1229
DNBOUND STATISTICS		267	120	12	399	134	2876	3010	439	115	24	578	4070
TOTAL		460	208	54	722	1187	3687	4874	759	174	48	981	5300
LOCK & DAM 13		XXX											
UPBOUND STATISTICS		195	124	46	365	1064	816	1880	325	66	18	409	1244
DNBOUND STATISTICS		269	174	9	452	136	2896	3032	445	109	21	575	4098
TOTAL		464	298	55	817	1200	3712	4912	770	175	39	984	5343
LOCK & DAM 14		XXX											
UPBOUND STATISTICS		300	122	62	484	1488	946	2434	467	65	9	541	1431
DNBOUND STATISTICS		383	172	19	574	181	3546	3727	604	98	14	716	4840
TOTAL		683	294	81	1058	1669	4492	6161	1071	163	23	1257	6271
LOCK & DAM 14 AUXILIARY 1		XXX	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 15		XXX											
UPBOUND STATISTICS		295	5	61	361	1362	987	2349	473	4	12	489	1512
DNBOUND STATISTICS		373	5	27	405	248	3394	3642	634	6	7	647	4779
TOTAL		668	10	88	766	1610	4381	5991	1107	10	19	1136	6292
LOCK & DAM 15 AUXILIARY 1		XXX											
UPBOUND STATISTICS		86	101	38	225	60	61	121	121	49	3	173	91
DNBOUND STATISTICS		82	168	51	301	78	44	122	133	88	1	222	59
TOTAL		168	269	89	526	138	105	243	254	137	4	395	150
LOCK & DAM 16		XXX											
UPBOUND STATISTICS		344	26	95	465	1698	1148	2846	563	24	21	608	1752
DNBOUND STATISTICS		448	44	44	536	360	3921	4281	731	47	12	790	5524
TOTAL		792	70	139	1001	2058	5069	7127	1294	71	33	1398	7276
LOCK & DAM 17		XXX											
UPBOUND STATISTICS		304	14	56	374	1703	1169	2872	503	18	24	545	1783
DNBOUND STATISTICS		399	41	10	450	289	4098	4387	683	61	14	758	5765
TOTAL		703	55	66	824	1992	5267	7259	1186	79	38	1303	7549

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND		DIVISION NAME NORTH CENTRAL	MONTHS REPORTED									
				10/84		11/84		12/84					
RIVER/LOCK NAME	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
(NAV, OPN, ETC)													
MISSISSIPPI RIVER													
LOCK & DAM 18	XXX												
UPBOUND STATISTICS	307	29	68	404	1826	1180	3006	528	34	23	585	1809	
DNBOUND STATISTICS	406	52	17	475	278	4288	4566	700	68	16	784	6033	
TOTAL	713	81	85	879	2104	5468	7572	1228	102	39	1369	7842	
LOCK & DAM 19	XXX												
UPBOUND STATISTICS	303	9	84	396	2041	1255	3296	340	7	10	357	1931	
DNBOUND STATISTICS	409	39	36	484	268	4691	4959	418	24	9	451	6592	
TOTAL	712	48	120	880	2309	5946	8255	758	31	19	808	8523	
LOCK & DAM 19 AUXILIARY 1	XXX	NO DATA RECORDED FOR THIS LOCK											
LOCK & DAM 20	XXX												
UPBOUND STATISTICS	322	11	85	418	2173	1232	3405	585	9	12	606	1894	
DNBOUND STATISTICS	418	35	47	500	258	4819	5077	773	41	13	827	6776	
TOTAL	740	46	132	918	2431	6051	8482	1358	50	25	1433	8671	
LOCK & DAM 21	XXX												
UPBOUND STATISTICS	332	15	74	421	2212	1237	3449	586	14	11	611	1933	
DNBOUND STATISTICS	438	45	34	517	307	4872	5179	798	44	11	853	6858	
TOTAL	770	60	108	938	2519	6109	8628	1384	58	22	1464	8791	
LOCK & DAM 22	XXX												
UPBOUND STATISTICS	341	20	57	418	2254	1255	3509	584	14	24	622	1948	
DNBOUND STATISTICS	457	71	17	545	281	5031	5312	796	52	25	873	7102	
TOTAL	798	91	74	963	2535	6286	8821	1380	66	49	1495	9051	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND			DIVISION NAME NORTH CENTRAL						MONTHS REPORTED 10/84 11/84 12/84								
ALL TIMES EXPRESSED IN MINUTES																		
APPROACH			LOCK PROCESSING TIME (MIN.)						EXIT		: DELAYED TOWS		DELAY TIME TOWS		DELAY AVG TOWS		DELAY MAX (ALL VSLS)	
			ENTRY CHAMBER															
MIN AVG MAX			: MIN AVG MAX : MIN AVG MAX : MIN AVG MAX						: MIN AVG MAX		:							
ILLINOIS																		
THOMAS J O'BRIEN	1	3	39	1	2	24	1	14	47	1	2	25	85	1167	1.9	47		
LOCKPORT LOCK	1	10	138	1	12	434	6	25	79	1	11	109	800	105092	104.5	2015		
BRANDON ROAD LOCK & DAM	1	11	110	1	11	409	5	21	75	1	11	404	875	160843	158.3	6796		
DRESDEN ISLAND LOCK & DAM	1	9	116	1	9	342	2	16	429	1	12	70	511	41391	46.8	983		
MARSIELLES LOCK & DAM	1	10	125	1	9	65	1	19	395	1	15	73	551	83828	96.5	1440		
STARVED ROCK LOCK & DAM	1	7	125	1	9	63	1	15	50	1	13	89	495	87274	95.8	1745		
PEORIA LOCK & DAM	1	7	121	1	10	39	1	9	51	1	16	69	954	249165	249.9	3896		
LAGRANGE LOCK & DAM	1	8	121	1	9	64	1	6	30	1	17	94	858	114676	118.5	1877		
MISSISSIPPI RIVER																		
LOCK & DAM 11	1	8	68	1	7	37	2	9	70	1	13	125	206	17390	41.7	1040		
LOCK & DAM 12	1	10	73	1	7	49	1	7	70	1	14	82	219	24977	54.2	670		
LOCK & DAM 13	1	6	50	1	7	31	4	8	37	1	14	143	189	15177	32.7	1090		
LOCK & DAM 14	1	7	100	1	7	67	3	8	68	1	14	91	399	53974	79.0	905		
LOCK & DAM 14 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK																	
LOCK & DAM 15	1	10	164	1	8	214	1	10	55	1	16	160	354	41442	62.0	405		

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED														
			10/84				11/84				12/84						
			ALL TIMES EXPRESSED IN MINUTES														
APPROACH			LOCK PROCESSING TIME (MIN.)								: DELAYED	DELAY	DELAY	DELAY			
											: TOWS	TIME	AVG	MAX			
MIN AVG MAX			: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLs)		
MISSISSIPPI RIVER																	
LOCK & DAM 15	AUXILIARY 1	1	3	25	1	2	21	3	10	177	1	2	17	31	340	2.0	25
LOCK & DAM 16		1	11	445	1	8	428	1	9	81	1	17	415	531	66506	83.9	775
LOCK & DAM 17		1	11	113	1	8	125	2	9	454	1	15	110	462	54718	77.8	1535
LOCK & DAM 18		1	10	603	1	9	134	1	7	82	1	17	855	448	60121	84.3	1804
LOCK & DAM 19		1	20	117	1	8	43	2	17	693	1	11	763	391	38147	53.5	1440
LOCK & DAM 19	AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK															
LOCK & DAM 20		1	7	75	1	9	405	2	6	52	1	17	144	457	60045	81.1	530
LOCK & DAM 21		1	10	77	1	9	68	2	6	49	1	17	87	490	70673	91.7	900
LOCK & DAM 22		1	13	155	1	9	38	1	6	25	1	18	107	590	159706	200.1	46520

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F5	ST PAUL	NORTH CENTRAL	10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
MISSISSIPPI RIVER	01-LOCK & DAM 1 MAIN CHBR 1	0400/0056/11.0			
	01-LOCK & DAM 1 MAIN CHBR 2	0400/0056/11.0			
	02-LOCK & DAM 2	0600/0110/11.0			
	02-LOCK & DAM 2 AUXILIARY 1	0500/0110/11.0			
	03-LOCK & DAM 3	0600/0110/11.0			
	04-LOCK & DAM 4	0600/0110/11.0			
	05-LOCK & DAM 5	0600/0110/11.0			
	06-LOCK & DAM 6	0600/0110/11.0			
	07-LOCK & DAM 7	0600/0110/11.0			
	08-LOCK & DAM 8	0600/0110/11.0			
	09-LOCK & DAM 9	0600/0110/11.0			
	10-LOCK & DAM 10	0600/0110/11.0			
	51-ST ANTHONY FALLS UPPER L & D	0400/0056/11.0			
	52-ST ANTHONY FALLS LOWER L & D	0400/0056/11.0			
	55-LOCK & DAM 5A	0600/0110/11.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST PAUL	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
MISSISSIPPI RIVER												
LOCK & DAM 1 MAIN CHBR 1	xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	198	125	14	337	159	205	364	214	65	0	279	275
DNBOUND STATISTICS	203	138	9	350	191	186	377	214	68	1	283	274
TOTAL	401	263	23	687	350	391	741	428	133	1	562	550
LOCK & DAM 1 MAIN CHBR 2	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 2	xxx											
UPBOUND STATISTICS	226	161	28	415	1096	459	1555	299	121	8	428	694
DNBOUND STATISTICS	260	146	9	415	125	2020	2145	370	107	8	485	2889
TOTAL	486	307	37	830	1221	2479	3700	669	228	16	913	3583
LOCK & DAM 2 AUXILIARY 1	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 3	xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	169	215	28	412	809	479	1288	237	136	48	421	723
DNBOUND STATISTICS	200	267	10	477	123	1724	1847	282	149	50	481	2487
TOTAL	369	482	38	889	932	2203	3135	519	285	98	902	3211
LOCK & DAM 4	xxx											
UPBOUND STATISTICS	166	94	24	284	874	480	1354	244	83	8	335	736
DNBOUND STATISTICS	204	109	6	319	102	1909	2011	311	105	16	432	2769
TOTAL	370	203	30	603	976	2389	3365	555	188	24	767	3505
LOCK & DAM 5	xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	167	68	21	256	892	473	1365	249	64	17	330	737
DNBOUND STATISTICS	203	80	3	286	90	1910	2000	312	84	26	422	2772
TOTAL	370	148	24	542	982	2383	3365	561	148	43	752	3509
LOCK & DAM 6	xxx											
UPBOUND STATISTICS	179	82	14	275	1054	535	1589	262	84	24	370	800
DNBOUND STATISTICS	213	107	3	323	79	2180	2259	320	131	26	477	3156
TOTAL	392	189	17	598	1133	2715	3848	582	215	50	847	3956
LOCK & DAM 7	xxx											
UPBOUND STATISTICS	178	105	37	320	1056	518	1574	288	99	16	403	784
DNBOUND STATISTICS	216	136	18	370	81	2210	2291	338	152	21	511	3176
TOTAL	394	241	55	690	1137	2728	3865	626	251	37	914	3961

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST PAUL		DIVISION NAME NORTH CENTRAL				MONTHS REPORTED							
							10/84	11/84			12/84			
RIVER/LOCK NAME			TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
			(NAV, OPN, ETC)											
MISSISSIPPI RIVER														
LOCK & DAM 8			xxx											
UPBOUND STATISTICS			180	93	20	293	1062	572	1634	264	83	27	374	870
DNBOUND STATISTICS			213	113	10	336	87	2288	2375	333	122	31	486	3282
TOTAL			393	206	30	629	1149	2860	4009	597	205	58	860	4153
LOCK & DAM 9			xxx											
UPBOUND STATISTICS			162	107	26	295	805	700	1505	246	82	18	346	1049
DNBOUND STATISTICS			209	127	2	338	116	2229	2345	325	113	24	462	3192
TOTAL			371	234	28	633	921	2929	3850	571	195	42	808	4241
LOCK & DAM 10			xxx											
UPBOUND STATISTICS			183	127	31	341	999	706	1705	274	115	52	441	1064
DNBOUND STATISTICS			240	165	4	409	100	2543	2643	365	152	62	579	3629
TOTAL			423	292	35	750	1099	3249	4348	639	267	114	1020	4694
ST ANTHONY FALLS UPPER L & D			xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS			123	48	36	207	126	58	184	147	33	0	180	95
DNBOUND STATISTICS			129	55	26	210	47	149	196	149	33	0	182	220
TOTAL			252	103	62	417	173	207	380	296	66	0	362	315
ST ANTHONY FALLS LOWER L & D			xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS			198	60	20	278	159	205	364	215	30	0	245	284
DNBOUND STATISTICS			205	64	12	281	192	186	378	215	31	0	246	277
TOTAL			403	124	32	559	351	391	742	430	61	0	491	562
LOCK & DAM 5A			xxx											
UPBOUND STATISTICS			165	68	42	275	886	466	1352	240	49	218	507	714
DNBOUND STATISTICS			204	87	21	312	92	1908	2000	286	78	234	598	2753
TOTAL			369	155	63	587	978	2374	3352	526	127	452	1105	3467

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME			DIVISION NAME			MONTHS REPORTED									
	ST PAUL			NORTH CENTRAL			10/84			11/84			12/84			
MISSISSIPPI RIVER																
LOCK PROCESSING TIME (MIN.)													ALL TIMES EXPRESSED IN MINUTES			
APPROACH			ENTRY			CHAMBER			EXIT			DELATED	DELAY	DELAY	DELAY	
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	TOWS	TOWS	TOWS	TOWS	(ALL VSLS)
LOCK & DAM 1 MAIN CHBR 1	1	5	44	1	6	24	3	13	56	1	5	20	48	1027	2.5	45
LOCK & DAM 1 MAIN CHBR 2	NO DATA RECORDED FOR THIS LOCK															
LOCK & DAM 2	1	8	120	1	7	55	5	9	50	1	10	56	196	11399	23.4	270
LOCK & DAM 2 AUXILIARY 1	NO DATA RECORDED FOR THIS LOCK															
LOCK & DAM 3	1	9	108	1	7	55	3	6	55	1	11	76	160	9233	25.0	660
LOCK & DAM 4	1	8	65	1	8	29	4	6	18	1	14	69	154	8067	21.8	165
LOCK & DAM 5	1	7	83	1	7	25	4	7	33	1	12	66	140	6336	17.1	182
LOCK & DAM 6	1	9	79	1	7	30	4	5	26	1	14	111	163	11814	30.1	392
LOCK & DAM 7	1	8	92	1	8	99	2	5	16	1	12	59	178	13555	34.4	354
LOCK & DAM 8	1	8	67	1	7	101	3	7	56	1	15	54	174	11547	29.3	267
LOCK & DAM 9	1	9	80	1	8	28	3	6	16	1	15	82	135	10325	27.8	553
LOCK & DAM 10	1	8	110	1	7	69	4	6	39	1	12	71	204	27511	65.0	622
ST ANTHONY FALLS UPPER L & D	1	2	35	1	4	27	6	9	20	1	4	55	8	384	1.5	150
ST ANTHONY FALLS LOWER L & D	1	3	22	1	5	21	4	11	24	1	4	29	59	1259	3.1	43
LOCK & DAM 5A	1	7	75	1	5	25	4	6	16	1	9	42	173	10426	28.2	351

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED
G2	PORTLAND	NORTH PACIFIC	10/84 11/84 12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
COLUMBIA RIVER	01-BONNEVILLE LOCK & DAM	0500/0075/15.0
	02-THE DALLES DAM	0675/0086/15.0
	03-JOHN DAY LOCK & DAM	0675/0086/15.0
WILLAMETTE RIVER	11-WILLAMETTE FALLS LOCKS 1 - 4	0210/0040/ 6.5
	15-WILLAMETTE FALLS GUARD LOCK	0210/0040/ 6.5

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC G2	DISTRICT NAME PORTLAND			DIVISION NAME NORTH PACIFIC	MONTHS REPORTED										
					10/84			11/84			12/84				
RIVER/LOCK NAME				TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)															
COLUMBIA RIVER															
BONNEVILLE LOCK & DAM				xxx											
UPBOUND STATISTICS				240	15	34	289	610	246	856	547	8	12	567	519
DNBOUND STATISTICS				253	9	23	285	58	849	907	582	4	15	601	1919
TOTAL				493	24	57	574	668	1095	1763	1129	12	27	1168	2439
THE DALLES DAM				xxx											
UPBOUND STATISTICS				186	3	8	197	449	239	688	192	3	3	198	584
DNBOUND STATISTICS				187	5	5	197	55	625	680	195	4	4	203	1557
TOTAL				373	8	13	394	504	864	1368	387	7	7	401	2142
JOHN DAY LOCK & DAM				xxx											
UPBOUND STATISTICS				185	5	7	197	440	236	676	190	3	7	200	421
DNBOUND STATISTICS				190	5	12	207	62	621	683	197	3	8	208	1539
TOTAL				375	10	19	404	502	857	1359	387	6	15	408	1961
WILLAMETTE RIVER															
WILLAMETTE FALLS LOCKS 1 - 4				xxx											
UPBOUND STATISTICS				234	11	92	337	117	149	266	355	10	1	366	58
DNBOUND STATISTICS				217	9	103	329	8	211	219	316	6	1	323	100
TOTAL				451	20	195	666	125	360	485	671	16	2	689	159
WILLAMETTE FALLS GUARD LOCK				xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS				139	7	85	231	104	68	172	202	10	51	263	15
DNBOUND STATISTICS				124	6	103	233	12	112	124	171	7	53	231	58
TOTAL				263	13	188	464	116	180	296	373	17	104	494	73

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC G2	DISTRICT NAME PORTLAND			DIVISION NAME NORTH PACIFIC							MONTHS REPORTED						
											10/84			11/84		12/84	

ALL TIMES EXPRESSED IN MINUTES																	

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
G3	SEATTLE	NORTH PACIFIC	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
LAKE WASHINGTON SHP CA	01-HIRAM M CHITTENDEN LOCKS	0760/0080/30.0
	01-HIRAM M CHITTENDEN LOCKS AUX1	0150/0028/25.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC G3	DISTRICT NAME SEATTLE	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED										
			10/84			11/84			12/84				
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
LAKE WASHINGTON SHP CA													
HIRAM M CHITTENDEN LOCKS		***	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS		125	152	230	507	44	115	159	299	9	34	342	187
DNBOUND STATISTICS		134	110	286	530	115	119	234	292	3	26	321	57
TOTAL		259	262	516	1037	159	234	393	591	12	60	663	245
HIRAM M CHITTENDEN LOCKS AUX1		***											
UPBOUND STATISTICS		28	1192	449	1669	24	4	28	643	474	55	1172	0
DNBOUND STATISTICS		26	1373	336	1735	13	13	26	533	549	63	1145	0
TOTAL		54	2565	785	3404	37	17	54	1176	1023	118	2317	0

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC G3	DISTRICT NAME SEATTLE	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED																
			10/84					11/84					12/84						
													ALL TIMES EXPRESSED IN MINUTES						
													DELATED	DELA	DELA	DELA			
													TOMS	TIME	AVG	MAX			
													TOMS	TOMS	TOMS	(ALL VSLS)			
LAKE WASHINGTON SHP CA																			
HIRAM M CHITTENDEN LOCKS		1	2	20	1	2	16	2	12	50	1	3	41	240	1379	5.3	72		
HIRAM M CHITTENDEN LOCKS AUX		1	1	22	1	1	18	1	4	25	1	4	31	2	2	0.0	61		

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
G4	WALLA WALLA	NORTH PACIFIC	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
COLUMBIA RIVER	24-MCNARY LOCK & DAM	0675/0086/14.0
SNAKE RIVER	01-ICE HARBOR LOCK & DAM	0670/0086/14.0
	02-LOWER MONUMENTAL LOCK & DAM	0670/0086/14.0
	03-LITTLE GOOSE LOCK & DAM	0670/0086/14.0
	04-LOWER GRANITE LOCK & DAM	0670/0086/14.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC G4	DISTRICT NAME WALLA WALLA	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED										
			10/84		11/84		12/84						
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
COLUMBIA RIVER													
MCNARY LOCK & DAM		xxx											
UPBOUND STATISTICS		176	12	5	193	373	255	628	181	7	1	189	417
DNBOUND STATISTICS		173	13	5	191	57	552	609	181	8	2	191	1354
TOTAL		349	25	10	384	430	807	1237	362	15	3	380	1771
SNAKE RIVER													
ICE HARBOR LOCK & DAM		xxx											
UPBOUND STATISTICS		163	26	24	213	359	50	409	186	15	5	206	26
DNBOUND STATISTICS		170	31	16	217	4	397	401	186	15	5	206	1011
TOTAL		333	57	40	430	363	447	810	372	30	10	412	1038
LOWER MONUMENTAL LOCK & DAM		xxx											
UPBOUND STATISTICS		114	5	3	122	323	49	372	117	3	0	120	27
DNBOUND STATISTICS		116	11	2	129	4	362	366	121	6	0	127	910
TOTAL		230	16	5	251	327	411	738	238	9	0	247	937
LITTLE GOOSE LOCK & DAM		xxx											
UPBOUND STATISTICS		113	14	2	129	309	48	357	116	6	1	123	26
DNBOUND STATISTICS		117	20	0	137	5	353	358	120	10	0	130	872
TOTAL		230	34	2	266	314	401	715	236	16	1	253	899
LOWER GRANITE LOCK & DAM		xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		104	11	4	119	208	47	255	109	11	5	125	27
DNBOUND STATISTICS		107	13	0	120	8	245	253	111	8	4	123	557
TOTAL		211	24	4	239	216	292	508	220	19	9	248	584

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC G4	DISTRICT NAME WALLA WALLA			DIVISION NAME NORTH PACIFIC									MONTHS REPORTED									
													10/84			11/84				12/84		
ALL TIMES EXPRESSED IN MINUTES																						
												DELATED	DELAY	DELAY	DELAY							
												TOWS	TIME	AVG	MAX							
												TOWS	TOWS	TOWS	(ALL VSLs)							
COLUMBIA RIVER																						
MCNARY LOCK & DAM	2	4	21	2	6	28	9	15	40	2	6	19	349	1903	5.4	45						
SNAKE RIVER																						
ICE HARBOR LOCK & DAM	1	3	14	1	4	20	10	21	53	1	3	12	333	2489	7.4	627						
LOWER MONUMENTAL LOCK & DAM	2	4	20	1	6	20	17	26	44	1	4	14	230	1474	6.4	65						
LITTLE GOOSE LOCK & DAM	2	3	20	2	4	28	10	15	34	2	5	17	230	1065	4.6	85						
LOWER GRANITE LOCK & DAM	1	4	14	2	5	13	9	11	42	2	4	12	211	921	4.3	31						

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
KANAWHA RIVER	01-WINFIELD LOCKS & DAM MAIN 1	0360/0056/12.0			
	01-WINFIELD LOCKS & DAM MAIN 2	0360/0056/12.0			
	02-MARNET LOCKS & DAM MAIN 1	0360/0056/12.0			
	02-MARNET LOCKS & DAM MAIN 2	0360/0056/12.0			
	03-LONDON LOCKS & DAM MAIN 1	0360/0056/12.0			
	03-LONDON LOCKS & DAM MAIN 2	0360/0056/12.0			
OHIO RIVER	21-BELLEVILLE LOCKS & DAM	1200/0110/12.0			
	21-BELLEVILLE LOCKS & DAM AUX 1	0600/0110/12.0			
	22-RACINE LOCKS & DAM	1200/0110/12.0			
	22-RACINE LOCKS & DAM AUX 1	0600/0110/12.0			
	23-CALLIPOLIS LOCKS & DAM	0600/0110/12.0			
	23-CALLIPOLIS LOCKS & DAM AUX 1	0360/0110/12.0			
	24-GREENUP LOCKS & DAM	1200/0110/12.0			
	24-GREENUP LOCKS & DAM AUX 1	0600/0110/12.0			
	25-CAPT ANT MELDAHL LOCKS & DAM	1200/0110/12.0			
	25-CAPT ANT MELDAHL LK&DAM AUX 1	0600/0110/12.0			
	72-WILLOW ISLAND LOCKS & DAM	1200/0110/12.0			
	72-WILLOW ISLAND LOCKS & DAM AUX	0600/0110/12.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84			11/84			12/84			
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
KANAMMA RIVER												
WINFIELD LOCKS & DAM MAIN 1	xxx											
UPBOUND STATISTICS	330	7	21	358	1228	821	2049	1250	10	10	1270	1280
DNBOUND STATISTICS	333	15	31	379	706	1396	2102	1246	14	14	1274	1528
TOTAL	663	22	52	737	1934	2217	4151	2496	24	24	2544	2808
WINFIELD LOCKS & DAM MAIN 2	xxx											
UPBOUND STATISTICS	39	2	1	42	229	36	265	136	6	0	142	48
DNBOUND STATISTICS	32	0	4	36	61	107	168	108	0	3	111	110
TOTAL	71	2	5	78	290	143	433	244	6	3	253	158
MARMET LOCKS & DAM MAIN 1	xxx											
UPBOUND STATISTICS	125	6	11	142	555	100	655	428	9	6	443	140
DNBOUND STATISTICS	135	4	11	150	38	659	697	455	9	9	473	760
TOTAL	260	10	22	292	593	759	1352	883	18	15	916	900
MARMET LOCKS & DAM MAIN 2	xxx											
UPBOUND STATISTICS	124	6	26	156	394	74	468	335	11	2	348	67
DNBOUND STATISTICS	102	11	34	147	94	262	356	261	15	1	277	285
TOTAL	226	17	60	303	488	336	824	596	26	3	625	352
LONDON LOCKS & DAM MAIN 1	xxx											
UPBOUND STATISTICS	61	0	9	70	184	9	193	188	0	5	193	12
DNBOUND STATISTICS	55	0	12	67	5	159	164	170	0	2	172	233
TOTAL	116	0	21	137	189	168	357	358	0	7	365	245
LONDON LOCKS & DAM MAIN 2	xxx											
UPBOUND STATISTICS	27	4	5	36	58	0	58	60	7	1	68	0
DNBOUND STATISTICS	27	4	5	36	1	59	60	57	6	1	64	80
TOTAL	54	8	10	72	59	59	118	117	13	2	132	80
OHIO RIVER												
BELLEVILLE LOCKS & DAM	xxx											
UPBOUND STATISTICS	354	1	6	361	907	2800	3707	354	0	1	355	4087
DNBOUND STATISTICS	331	2	3	336	1891	1885	3776	331	0	0	331	2925
TOTAL	685	3	9	697	2798	4685	7483	685	0	1	686	7012

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER		MONTHS REPORTED								
				10/84	11/84	12/84						
RIVER/LOCK NAME	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)												
OHIO RIVER												
BELLEVILLE LOCKS & DAM AUX 1	xxx											
UPBOUND STATISTICS	39	30	3	72	54	84	138	43	13	6	62	89
DNBOUND STATISTICS	48	34	7	89	116	56	172	55	15	5	75	44
TOTAL	87	64	10	161	170	140	310	98	28	11	137	134
RACINE LOCKS & DAM	xxx											
UPBOUND STATISTICS	382	0	4	386	1126	2840	3966	383	0	1	384	4157
DNBOUND STATISTICS	370	1	4	375	1917	2204	4121	371	0	0	371	3198
TOTAL	752	1	8	761	3043	5044	8087	754	0	1	755	7355
RACINE LOCKS & DAM AUX 1	xxx											
UPBOUND STATISTICS	57	22	9	88	164	64	228	66	5	6	77	83
DNBOUND STATISTICS	57	27	12	96	88	122	210	71	10	4	85	108
TOTAL	114	49	21	184	252	186	438	137	15	10	162	192
GALLIPOLIS LOCKS & DAM	xxx											
UPBOUND STATISTICS	409	0	8	417	890	2817	3707	672	0	3	675	4430
DNBOUND STATISTICS	399	8	4	411	1953	1962	3915	676	0	1	677	2864
TOTAL	808	8	12	828	2843	4779	7622	1348	0	4	1352	7295
GALLIPOLIS LOCKS & DAM AUX 1	xxx											
UPBOUND STATISTICS	31	18	24	73	39	42	81	56	15	3	74	64
DNBOUND STATISTICS	36	34	35	105	42	34	76	69	25	7	101	32
TOTAL	67	52	59	178	81	76	157	125	40	10	175	97
GREENUP LOCKS & DAM	xxx											
UPBOUND STATISTICS	523	5	20	548	3084	1787	4871	533	3	2	538	2840
DNBOUND STATISTICS	542	2	20	564	924	4268	5192	549	1	2	552	6492
TOTAL	1065	7	40	1112	4008	6055	10063	1082	4	4	1090	9332
GREENUP LOCKS & DAM AUX 1	xxx											
UPBOUND STATISTICS	70	197	58	325	102	63	165	125	92	1	218	78
DNBOUND STATISTICS	52	144	62	258	58	50	108	113	74	3	190	73
TOTAL	122	341	120	583	160	113	273	238	166	4	408	151
CAPT ANT MELDAHL LOCKS & DAM	xxx											
UPBOUND STATISTICS	483	3	5	491	2854	2121	4975	483	3	0	486	3367
DNBOUND STATISTICS	482	2	8	492	984	4290	5274	485	1	0	486	6547
TOTAL	965	5	13	983	3838	6411	10249	968	4	0	972	9915

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED										
			10/84		11/84		12/84						
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES CONNER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS) (NAV, OPN, ETC)
OHIO RIVER													
CAPT ANT MELDAHL LK&DAM AUX 1		xxx											
UPBOUND STATISTICS		38	60	8	106	43	65	108	45	48	1	94	93
DNBOUND STATISTICS		44	81	9	134	91	31	122	54	65	2	121	39
TOTAL		82	141	17	240	134	96	230	99	113	3	215	133
WILLOW ISLAND LOCKS & DAM		xxx											
UPBOUND STATISTICS		340	1	7	348	908	2581	3489	341	1	0	342	3541
DNBOUND STATISTICS		325	3	2	330	1721	1836	3557	325	1	0	326	2799
TOTAL		665	4	9	678	2629	4417	7046	666	2	0	668	6340
WILLOW ISLAND LOCKS & DAM AUX		xxx											
UPBOUND STATISTICS		72	29	18	119	55	190	245	92	11	3	106	149
DNBOUND STATISTICS		81	21	14	116	178	86	264	100	10	5	115	84
TOTAL		153	50	32	235	233	276	509	192	21	8	221	233

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON			DIVISION NAME OHIO RIVER									MONTHS REPORTED			
													10/84			11/84
														ALL TIMES EXPRESSED IN MINUTES		
													DELAYED	DELAY	DELAY	DELAY
													TOWS	TIME	AUG	MAX
													TOWS	TOWS	TOWS	(ALL VSLS
KANAWHA RIVER																
WINFIELD LOCKS & DAM MAIN 1	1	7	92	1	5	36	5	10	38	1	11	350	595	517896	781.1	3900
WINFIELD LOCKS & DAM MAIN 2	1	10	55	1	4	21	5	9	25	2	10	39	32	9888	139.2	1945
MARNET LOCKS & DAM MAIN 1	1	11	71	1	5	23	5	8	19	2	9	41	16	783	3.0	105
MARNET LOCKS & DAM MAIN 2	1	9	63	1	4	18	5	8	22	2	8	38	13	816	3.6	170
LONDON LOCKS & DAM MAIN 1	1	9	54	1	5	63	1	8	18	2	8	27	49	11491	99.0	645
LONDON LOCKS & DAM MAIN 2	1	7	45	1	3	12	6	8	19	2	6	20	11	1992	36.8	461
OHIO RIVER																
BELLEVILLE LOCKS & DAM	1	17	50	2	9	30	8	13	38	2	8	27	189	7382	10.7	235
BELLEVILLE LOCKS & DAM AUX 1	2	15	46	1	4	23	10	13	35	1	5	23	4	74	0.8	25
RACINE LOCKS & DAM	1	14	175	1	11	35	8	10	26	1	10	28	220	10543	14.0	258
RACINE LOCKS & DAM AUX 1	2	12	33	1	6	16	7	10	25	2	7	20	4	128	1.1	61
GALLIPOLIS LOCKS & DAM	1	10	65	1	12	50	5	11	23	2	18	55	512	71447	88.4	765
GALLIPOLIS LOCKS & DAM AUX 1	1	7	27	1	5	30	5	11	24	2	6	36	5	226	3.3	75
GREENUP LOCKS & DAM	1	14	60	3	9	20	5	11	31	1	9	26	432	17970	16.8	200

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED														
			10/84			11/84			12/84								
														ALL TIMES EXPRESSED IN MINUTES			
														DELAYED	DELAY	DELAY	DELAY
														TOMS	TIME	AVG	MAX
														TONS	TONS	TONS	(ALL VSLS)
OHIO RIVER																	
GREENUP LOCKS & DAM AUX 1	1	9	40	1	4	13	6	10	22	1	5	17	13	267	2.1	50	
CAPT ANT MELDAHL LOCKS & DAM	1	19	58	1	10	28	7	13	26	1	12	30	407	22257	23.0	235	
CAPT ANT MELDAHL LK&DAM AUX	1	11	48	1	3	26	6	13	27	1	5	20	1	38	0.4	38	
WILLOW ISLAND LOCKS & DAM	1	17	57	1	8	25	6	13	26	1	9	23	176	7259	10.9	119	
WILLOW ISLAND LOCKS & DAM AU	2	14	35	1	4	13	7	13	26	1	5	22	13	350	2.2	50	

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			10/84	11/84	12/84

RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
GREEN/BARREN RIVER	21-LOCK & DAM 1		0600/0084/12.0		
	22-LOCK & DAM 2		0600/0084/12.0		
OHIO RIVER	41-MARKLAND LOCKS & DAM		1200/0110/12.0		
	41-MARKLAND LOCKS & DAM AUX 1		0600/0110/12.0		
	42-MCALPINE LOCKS & DAM		1200/0110/12.0		
	42-MCALPINE LOCKS & DAM AUX 1		0600/0110/12.0		
	52-LOCK & DAM 52		1200/0110/12.0		
	52-LOCK & DAM 52 AUX 1		0600/0110/12.0		
	75-CANNELTON LOCK & DAM		1200/0110/12.0		
	75-CANNELTON LOCK & DAM AUX		0600/0110/12.0		
	76-NEWBURGH LOCK & DAM		1200/0110/12.0		
	76-NEWBURGH LOCK & DAM AUX 1		0600/0110/12.0		
	77-UNIONTOWN LOCK & DAM		1200/0110/12.0		
	77-UNIONTOWN LOCK & DAM AUX 1		0600/0110/12.0		
	78-SMITHLAND LOCK & DAM		1200/0110/12.0		
	78-SMITHLAND LOCK & DAM AUX 1		1200/0110/12.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER					MONTHS REPORTED					
							10/84		11/84		12/84	
RIVER/LOCK NAME	TONS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	(KTONS)
(NAV, OPN, ETC)												
GREEN/BARREN RIVER												
LOCK & DAM 1	XXX											
UPBOUND STATISTICS	353	3	18	374	1112	192	1304	334	2	39	375	286
DNBOUND STATISTICS	355	6	11	372	127	1163	1290	323	5	45	373	1745
TOTAL	708	9	29	746	1239	1355	2594	657	7	84	748	2031
LOCK & DAM 2	XXX											
UPBOUND STATISTICS	230	11	10	251	857	28	885	207	8	34	249	39
DNBOUND STATISTICS	234	11	9	254	22	865	887	205	9	39	253	1289
TOTAL	464	22	19	505	879	893	1772	412	17	73	502	1328
OHIO RIVER												
MARKLAND LOCKS & DAM	XXX											
UPBOUND STATISTICS	519	4	3	526	2583	2367	4950	521	2	5	528	3802
DNBOUND STATISTICS	526	11	3	540	811	4420	5231	529	7	5	541	6626
TOTAL	1045	15	6	1066	3394	6787	10181	1050	9	10	1069	10428
MARKLAND LOCKS & DAM AUX 1	XXX											
UPBOUND STATISTICS	28	145	6	179	35	28	63	31	73	1	105	41
DNBOUND STATISTICS	31	134	11	176	42	19	61	38	75	5	118	25
TOTAL	59	279	17	355	77	47	124	69	148	6	223	67
MCALPINE LOCKS & DAM	XXX											
UPBOUND STATISTICS	598	37	76	711	2282	2919	5201	653	13	1	667	4587
DNBOUND STATISTICS	621	50	65	736	971	4478	5449	655	21	1	677	6778
TOTAL	1219	87	141	1447	3253	7397	10650	1308	34	2	1344	11365
MCALPINE LOCKS & DAM AUX 1	XXX	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 52	XXX											
UPBOUND STATISTICS	991	0	121	1112	5684	4427	10111	165	0	873	1038	6936
DNBOUND STATISTICS	1000	1	121	1122	2133	8127	10260	172	0	915	1087	11969
TOTAL	1991	1	242	2234	7817	12554	20371	337	0	1788	2125	18905
LOCK & DAM 52 AUX 1	XXX	ONLY FIRST MONTH REPROTED										
UPBOUND STATISTICS	79	6	30	115	122	159	281	106	5	2	113	275
DNBOUND STATISTICS	89	15	20	124	109	217	326	109	12	2	123	346
TOTAL	168	21	50	239	231	376	607	215	17	4	236	622

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84			11/84			12/84			
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
OHIO RIVER												
CANNELTON LOCK & DAM	xxx											
UPBOUND STATISTICS	554	4	11	569	2300	3197	5497	556	2	1	559	5052
DNBOUND STATISTICS	553	4	16	573	945	4834	5779	562	1	0	563	6977
TOTAL	1107	8	27	1142	3245	8031	11276	1118	3	1	1122	12030
CANNELTON LOCK & DAM AUX	xxx											
UPBOUND STATISTICS	31	26	5	62	66	33	99	35	12	1	48	48
DNBOUND STATISTICS	36	48	6	90	34	73	107	42	23	2	67	98
TOTAL	67	74	11	152	100	106	206	77	35	3	115	146
NEWBURGH LOCK & DAM	xxx											
UPBOUND STATISTICS	670	20	28	718	3310	3335	6645	676	6	2	684	5309
DNBOUND STATISTICS	677	8	46	731	1378	5619	6997	692	2	0	694	7993
TOTAL	1347	28	74	1449	4688	8954	13642	1368	8	2	1378	13302
NEWBURGH LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	109	206	58	373	153	158	311	139	85	3	227	230
DNBOUND STATISTICS	98	254	62	414	174	59	233	133	113	5	251	74
TOTAL	207	460	120	787	327	217	544	272	198	8	478	305
UNIONTOWN LOCK & DAM	xxx											
UPBOUND STATISTICS	736	3	11	750	4932	3156	8088	739	3	1	743	5045
DNBOUND STATISTICS	739	2	4	745	1021	7241	8262	739	2	1	742	10926
TOTAL	1475	5	15	1495	5953	10397	16350	1478	5	2	1485	15971
UNIONTOWN LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	45	145	28	218	82	50	132	62	122	3	187	86
DNBOUND STATISTICS	43	176	25	244	88	27	115	60	150	6	216	48
TOTAL	88	321	53	462	170	77	247	122	272	9	403	135
SMITHLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	146	7	9	162	916	408	1324	153	4	1	158	672
DNBOUND STATISTICS	754	22	34	810	917	7183	8100	774	17	3	794	11014
TOTAL	900	29	43	972	1833	7591	9424	927	21	4	952	11686
SMITHLAND LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	747	12	26	785	5201	2624	7825	764	10	2	776	4208
DNBOUND STATISTICS	123	13	10	146	238	919	1157	132	11	3	146	1423
TOTAL	870	25	36	931	5439	3543	8982	896	21	5	922	5631

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	STATISTICS FOR MONTH REPORTED												MONTHS REPORTED			
															10/84	11/84		12/84
															ALL TIMES EXPRESSED IN MINUTES			
															DELATED	DELAY	DELAY	DELAY
															TOMS	TIME	AVG	MAX
																TOMS	TOMS	(ALL VSLS)

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
CLINCH RIVER	11-MELTON HILL LOCK		0400/0075/11.0		
CUMBERLAND RIVER	21-BARKLEY LOCK		0800/0110/11.0		
	22-CHEATHAM LOCK		0800/0110/11.0		
	23-CORDELL HULL LOCK		0400/0084/11.0		
	24-OLD HICKORY LOCK		0400/0084/11.0		
TENNESSEE RIVER	01-KENTUCKY LOCK		0600/0110/11.0		
	02-PICKWICK LANDING LOCK		1000/0110/11.0		
	02-PICKWICK LANDING LOCK AUX		0600/0110/11.0		
	03-WILSON LOCK		0600/0110/11.0		
	03-WILSON LOCK AUX		0292/0060/11.0		
	04-GEN JOS WHEELER LOCK		0600/0110/11.0		
	04-GEN JOS WHEELER LK	AUX1	0400/0060/11.0		
	05-GUNTERSVILLE LOCK		0600/0110/11.0		
	05-GUNTERSVILLE LOCK	AUX 1	0360/0060/11.0		
	06-NICKAJAC LOCK		0600/0119/11.0		
	07-CHICKAMAUGA LOCK		0360/0060/11.0		
	08-WATTS BAR LOCK		0360/0060/11.0		
	09-FORT LOUDON LOCK		0360/0060/11.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84			11/84			12/84			
RIVER/LOCK NAME	TONS	VESSL RECR TN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECR TN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
<hr/>												
CLINCH RIVER												
MELTON HILL LOCK	xxx											
UPBOUND STATISTICS	0	6	0	6	0	0	0	0	6	2	8	0
DNBOUND STATISTICS	0	6	0	6	0	0	0	0	6	2	8	0
TOTAL	0	12	0	12	0	0	0	0	12	4	16	0
CUMBERLAND RIVER												
BARKLEY LOCK	xxx											
UPBOUND STATISTICS	64	21	2	87	39	362	401	66	16	1	83	526
DNBOUND STATISTICS	111	26	3	140	926	53	979	144	26	1	171	73
TOTAL	175	47	5	227	965	415	1380	210	42	2	254	600
CHEATHAM LOCK	xxx											
UPBOUND STATISTICS	93	19	1	113	22	520	542	99	17	2	118	769
DNBOUND STATISTICS	89	25	6	120	511	36	547	100	18	1	119	53
TOTAL	182	44	7	233	533	556	1089	199	35	3	237	822
CORDELL HULL LOCK	xxx											
UPBOUND STATISTICS	9	8	4	21	18	1	19	13	7	1	21	1
DNBOUND STATISTICS	10	8	3	21	1	18	19	13	7	0	20	26
TOTAL	19	16	7	42	19	19	38	26	14	1	41	27
OLD HICKORY LOCK	xxx											
UPBOUND STATISTICS	32	79	10	121	8	47	55	45	70	8	123	85
DNBOUND STATISTICS	28	89	14	131	42	6	48	46	66	7	119	10
TOTAL	60	168	24	252	50	53	103	91	136	15	242	95
TENNESSEE RIVER												
KENTUCKY LOCK	xxx											
UPBOUND STATISTICS	435	28	32	495	1063	3234	4297	716	33	9	758	4749
DNBOUND STATISTICS	381	26	47	454	2480	1265	3745	643	15	7	665	1804
TOTAL	816	54	79	949	3543	4499	8042	1359	48	16	1423	6553

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
TENNESSEE RIVER												
PICKWICK LANDING LOCK	xxx											
UPBOUND STATISTICS	177	25	13	215	168	1671	1839	231	24	11	266	2405
DNBOUND STATISTICS	159	13	15	187	1304	344	1648	208	11	15	234	433
TOTAL	336	38	28	402	1472	2015	3487	439	35	26	500	2839
PICKWICK LANDING LOCK AUX	xxx											
UPBOUND STATISTICS	83	17	2	102	50	747	797	133	17	12	162	1069
DNBOUND STATISTICS	95	18	11	124	754	162	916	159	19	7	185	229
TOTAL	178	35	13	226	804	909	1713	292	36	19	347	1298
WILSON LOCK	xxx											
UPBOUND STATISTICS	115	104	54	273	247	790	1037	199	63	10	272	1136
DNBOUND STATISTICS	127	105	48	280	560	437	997	212	39	13	264	598
TOTAL	242	209	102	553	807	1227	2034	411	102	23	536	1734
WILSON LOCK AUX	xxx	NO DATA RECORDED FOR THIS LOCK										
GEN JOS WHEELER LOCK	xxx											
UPBOUND STATISTICS	111	22	3	136	258	782	1040	174	23	6	203	1122
DNBOUND STATISTICS	105	22	7	134	541	406	947	165	18	6	189	541
TOTAL	216	44	10	270	799	1188	1987	339	41	12	392	1664
GEN JOS WHEELER LK	AUX1	xxx										
UPBOUND STATISTICS	1	71	1	73	1	0	1	2	51	3	56	1
DNBOUND STATISTICS	0	80	2	82	0	0	0	2	54	3	59	0
TOTAL	1	151	3	155	1	0	1	4	105	6	115	2
GUNTERSVILLE LOCK	xxx											
UPBOUND STATISTICS	121	54	2	177	334	634	968	174	47	2	223	904
DNBOUND STATISTICS	119	51	7	177	457	456	913	163	37	5	205	599
TOTAL	240	105	9	354	791	1090	1881	337	84	7	428	1503
GUNTERSVILLE LOCK	AUX 1	xxx										
UPBOUND STATISTICS	0	88	0	88	0	0	0	0	68	1	69	0
DNBOUND STATISTICS	0	79	2	81	0	0	0	2	66	0	68	0
TOTAL	0	167	2	169	0	0	0	2	134	1	137	0
NICKAJAC LOCK	xxx											
UPBOUND STATISTICS	147	102	5	254	422	653	1075	187	71	3	261	863
DNBOUND STATISTICS	147	105	8	260	544	510	1054	188	66	2	256	688
TOTAL	294	207	13	514	966	1163	2129	375	137	5	517	1552

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER						MONTHS REPORTED					
								10/84		11/84		12/84	
RIVER/LOCK NAME	TONS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)	
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	CONNER	RECRTN	OTHER	TOTAL		
(NAV, OPN, ETC)													
TENNESSEE RIVER													
CHICKAMAUGA LOCK	xxx												
UPBOUND STATISTICS	62	387	4	453	61	226	287	133	300	10	443	314	
DNBOUND STATISTICS	58	398	11	467	185	113	298	143	296	13	452	153	
TOTAL	120	785	15	920	246	339	585	276	596	23	895	467	
WATTS BAR LOCK	xxx												
UPBOUND STATISTICS	40	88	1	129	58	92	150	86	129	4	219	145	
DNBOUND STATISTICS	36	92	5	133	54	96	150	89	126	2	217	131	
TOTAL	76	180	6	262	112	188	300	175	255	6	436	276	
FORT LOUDON LOCK	xxx												
UPBOUND STATISTICS	29	74	6	109	16	54	70	52	80	4	136	92	
DNBOUND STATISTICS	28	73	9	110	36	32	68	51	82	4	137	41	
TOTAL	57	147	15	219	52	86	138	103	162	8	273	133	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED												ALL TIMES EXPRESSED IN MINUTES									
			10/84				11/84				12/84				DELATED TOWS	DELAY TIME TOWS	DELAY AVG TOWS	DELAY MAX (ALL VSLS)						
			LOCK PROCESSING TIME (MIN.)																					
			APPROACH			ENTRY			CHAMBER			EXIT												
			MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:									
CLINCH RIVER																								
MELTON HILL LOCK			2	8	20		2	2	3		7	14	20		1	2	6		0		0	0.0		0
CUMBERLAND RIVER																								
BARKLEY LOCK			1	14	110		1	10	75		9	15	28		1	9	35		13		568	3.2		98
CHEATHAM LOCK			1	9	31		1	10	37		9	17	63		1	9	54		29		8433	46.3		920
CORDELL HULL LOCK			2	4	13		1	4	16		6	16	30		1	5	17		0		0	0.0		0
OLD HICKORY LOCK			1	3	26		1	4	22		12	16	31		2	4	21		3		166	2.7		102
TENNESSEE RIVER																								
KENTUCKY LOCK			1	9	99		1	13	111		6	18	57		1	18	73		643		167151	204.8		996
PICKWICK LANDING LOCK			1	12	90		2	14	71		9	24	61		2	18	102		133		16578	49.3		761
PICKWICK LANDING LOCK AUX			1	10	139		3	11	69		9	17	47		1	17	81		86		12045	67.6		546
WILSON LOCK			1	10	72		2	13	75		8	22	45		1	14	52		74		10971	45.3		726
WILSON LOCK AUX			NO DATA RECORDED FOR THIS LOCK																					
GEN JOS WHEELER LOCK			1	13	103		2	13	42		9	14	59		3	18	72		44		3474	16.0		314
GEN JOS WHEELER LK	AUX		1	8	19		2	4	11		6	12	22		1	4	11		0		0	0.0		126

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
ALLEGHENY RIVER	42-LOCK & DAM 2	0360/0056/13.0			
	43-LOCK & DAM 3	0360/0056/13.0			
	44-LOCK & DAM 4	0360/0056/13.0			
	45-LOCK & DAM 5	0360/0056/13.0			
	46-LOCK & DAM 6	0360/0056/13.0			
	47-LOCK & DAM 7	0360/0056/13.0			
	48-LOCK & DAM 8	0360/0056/13.0			
	49-LOCK & DAM 9	0360/0056/13.0			
MONONGAHELA RIVER	22-LOCK & DAM 2	0720/0110/13.0			
	22-LOCK & DAM 2 AUX 1	0360/0056/13.0			
	23-LOCK & DAM 3	0720/0056/13.0			
	23-LOCK & DAM 3 AUXILIARY 1	0360/0056/13.0			
	24-LOCK & DAM 4	0720/0056/13.0			
	24-LOCK & DAM 4 AUXILIARY 1	0360/0056/13.0			
	25-MAXWELL LOCK & DAM	0720/0084/13.0			
	25-MAXWELL LOCK & DAM AUX 1	0720/0084/13.0			
	27-LOCK & DAM 7	0360/0056/13.0			
	28-LOCK & DAM 8	0360/0056/13.0			
	29-MORGANTOWN LOCK & DAM	0600/0084/13.0			
	30-HILDEBRAND LOCK & DAM	0600/0084/13.0			
	31-OPEKISKA LOCK & DAM	0600/0084/13.0			
OHIO RIVER	01-ENSMORTH LOCK & DAM	0600/0110/13.0			
	01-ENSMORTH LOCK & DAM AUX 1	0360/0056/13.0			
	02-DASHIELDS LOCK & DAM	0600/0110/13.0			
	02-DASHIELDS LOCK & DAM AUX 1	0360/0056/13.0			
	03-MONTGOMERY LOCK & DAM	0600/0110/13.0			
	03-MONTGOMERY LOCK & DAM AUX 1	0360/0056/13.0			
	04-NEW CUMBERLAND LOCK & DAM	1200/0110/13.0			
	04-NEW CUMBERLAND LK & DAM AUX 1	0600/0110/13.0			
	05-PIKE ISLAND LOCK & DAM	1200/0110/13.0			
	05-PIKE ISLAND LOCK & DAM AUX 1	0600/0110/13.0			
	71-HANNIBAL LOCKS & DAM	1200/0110/13.0			
	71-HANNIBAL LOCKS & DAM AUX 1	0600/0110/13.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED										
			10/84		11/84		12/84						
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER (NAV, OPN, ETC)	LCKGES TOTAL	TONNAGE (KTONS)

ALLEGHENY RIVER													
LOCK & DAM 2		XXX											
UPBOUND STATISTICS		253	213	20	486	514	337	851	378	179	5	562	364
DNBOUND STATISTICS		256	213	21	490	346	485	831	381	176	3	560	264
TOTAL		509	426	41	976	860	822	1682	759	355	8	1122	628
LOCK & DAM 3		XXX											
UPBOUND STATISTICS		266	80	23	369	526	359	885	413	85	2	500	387
DNBOUND STATISTICS		270	89	19	378	372	483	855	407	90	2	499	259
TOTAL		536	169	42	747	898	842	1740	820	175	4	999	646
LOCK & DAM 4		XXX											
UPBOUND STATISTICS		243	94	23	360	828	87	915	346	67	3	416	112
DNBOUND STATISTICS		247	99	20	366	95	818	913	352	71	3	426	402
TOTAL		490	193	43	726	923	905	1828	698	138	6	842	514
LOCK & DAM 5		XXX											
UPBOUND STATISTICS		170	69	4	243	766	2	768	206	52	4	262	1
DNBOUND STATISTICS		171	72	3	246	2	764	766	210	46	4	260	324
TOTAL		341	141	7	489	768	766	1534	416	98	8	522	326
LOCK & DAM 6		XXX											
UPBOUND STATISTICS		168	41	3	212	729	2	731	203	38	3	244	1
DNBOUND STATISTICS		171	35	2	208	6	732	738	209	34	3	246	311
TOTAL		339	76	5	420	735	734	1469	412	72	6	490	312
LOCK & DAM 7		XXX											
UPBOUND STATISTICS		45	40	10	95	83	1	84	51	27	2	80	1
DNBOUND STATISTICS		43	32	11	86	1	84	85	51	21	2	74	36
TOTAL		88	72	21	181	84	85	169	102	48	4	154	37
LOCK & DAM 8		XXX											
UPBOUND STATISTICS		95	36	13	144	95	0	95	110	23	0	133	0
DNBOUND STATISTICS		97	36	11	144	1	96	97	110	25	0	135	186
TOTAL		192	72	24	288	96	96	192	220	48	0	268	186
LOCK & DAM 9		XXX	ONLY FIRST MONTH REPROTED										
UPBOUND STATISTICS		0	19	0	19	0	0	0	4	14	0	18	0
DNBOUND STATISTICS		0	21	0	21	0	0	0	4	14	0	18	0
TOTAL		0	40	0	40	0	0	0	8	28	0	36	0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
MONONGAHELA RIVER												
LOCK & DAM 2	xxx											
UPBOUND STATISTICS	333	0	15	348	1065	923	1988	377	0	0	377	1141
DNBOUND STATISTICS	349	0	13	362	699	1341	2040	383	0	1	384	1436
TOTAL	682	0	28	710	1764	2264	4028	760	0	1	761	2578
LOCK & DAM 2 AUX 1	xxx											
UPBOUND STATISTICS	125	29	61	215	74	121	195	182	26	4	212	86
DNBOUND STATISTICS	111	33	70	214	136	31	167	176	28	4	208	33
TOTAL	236	62	131	429	210	152	362	358	54	8	420	119
LOCK & DAM 3	xxx											
UPBOUND STATISTICS	508	0	3	511	2112	448	2560	509	0	0	509	545
DNBOUND STATISTICS	523	0	3	526	310	2272	2582	523	0	1	524	2278
TOTAL	1031	0	6	1037	2422	2720	5142	1032	0	1	1033	2823
LOCK & DAM 3 AUXILIARY 1	xxx											
UPBOUND STATISTICS	104	21	72	197	101	41	142	174	19	3	196	46
DNBOUND STATISTICS	79	24	80	183	60	41	101	158	22	3	183	46
TOTAL	183	45	152	380	161	82	243	332	41	6	379	92
LOCK & DAM 4	xxx											
UPBOUND STATISTICS	460	0	5	465	2217	343	2560	474	0	2	476	361
DNBOUND STATISTICS	478	0	3	481	224	2334	2558	489	0	1	490	2332
TOTAL	938	0	8	946	2441	2677	5118	963	0	3	966	2694
LOCK & DAM 4 AUXILIARY 1	xxx											
UPBOUND STATISTICS	43	27	33	103	62	7	69	74	21	3	98	6
DNBOUND STATISTICS	38	29	31	98	35	25	60	66	27	3	96	25
TOTAL	81	56	64	201	97	32	129	140	48	6	194	31
MAXWELL LOCK & DAM	xxx											
UPBOUND STATISTICS	359	46	8	413	1891	230	2121	368	29	4	401	264
DNBOUND STATISTICS	66	23	7	96	37	313	350	72	13	4	89	314
TOTAL	425	69	15	509	1928	543	2471	440	42	8	490	578
MAXWELL LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	45	24	0	69	210	38	248	45	9	0	54	40
DNBOUND STATISTICS	336	27	3	366	130	1912	2042	338	19	0	357	1896
TOTAL	381	51	3	435	340	1950	2290	383	28	0	411	1936

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TONS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
MONONGAHELA RIVER												
LOCK & DAM 7	xxx											
UPBOUND STATISTICS	402	7	21	430	1610	256	1866	754	10	7	771	294
DNBOUND STATISTICS	414	10	12	436	208	1683	1891	769	14	5	788	1615
TOTAL	816	17	33	866	1818	1939	3757	1523	24	12	1559	1910
LOCK & DAM 8	xxx											
UPBOUND STATISTICS	365	7	9	381	1341	274	1615	652	10	5	667	308
DNBOUND STATISTICS	369	10	16	395	233	1433	1666	680	15	5	700	1377
TOTAL	734	17	25	776	1574	1707	3281	1332	25	10	1367	1685
MORGANTOWN LOCK & DAM	xxx											
UPBOUND STATISTICS	48	14	8	70	210	1	211	56	12	2	70	1
DNBOUND STATISTICS	49	29	8	86	6	214	220	57	16	2	75	199
TOTAL	97	43	16	156	216	215	431	113	28	4	145	200
HILDEBRAND LOCK & DAM	xxx											
UPBOUND STATISTICS	13	20	7	40	45	1	46	18	18	1	37	1
DNBOUND STATISTICS	16	35	3	54	4	45	49	19	23	1	43	48
TOTAL	29	55	10	94	49	46	95	37	41	2	80	50
OPEKISKA LOCK & DAM	xxx											
UPBOUND STATISTICS	1	40	6	47	1	0	1	7	25	1	33	0
DNBOUND STATISTICS	6	51	2	59	5	4	9	8	33	1	42	5
TOTAL	7	91	8	106	6	4	10	15	58	2	75	5
OHIO RIVER												
ENSWORTH LOCK & DAM	xxx											
UPBOUND STATISTICS	428	1	9	438	738	1725	2463	488	1	6	495	1992
DNBOUND STATISTICS	431	0	8	439	1426	1095	2521	480	0	3	483	1248
TOTAL	859	1	17	877	2164	2820	4984	968	1	9	978	3240
ENSWORTH LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	134	47	77	258	81	96	177	222	32	8	262	98
DNBOUND STATISTICS	139	65	99	303	155	43	198	249	52	11	312	42
TOTAL	273	112	176	561	236	139	375	471	84	19	574	140

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC HA	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
OHIO RIVER												
DASHIELDS LOCK & DAM	xxx											
UPBOUND STATISTICS	420	0	11	431	746	2015	2761	491	0	4	495	2282
DNBOUND STATISTICS	412	0	12	424	1649	1121	2770	471	0	3	474	1274
TOTAL	832	0	23	855	2395	3136	5531	962	0	7	969	3556
DASHIELDS LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	103	55	80	238	65	54	119	180	39	3	222	64
DNBOUND STATISTICS	109	62	98	269	109	38	147	202	47	5	254	35
TOTAL	212	117	178	507	174	92	266	382	86	8	476	100
MONTGOMERY LOCK & DAM	xxx											
UPBOUND STATISTICS	320	3	10	333	622	1552	2174	401	1	2	404	1855
DNBOUND STATISTICS	333	2	16	351	1320	904	2224	417	2	2	421	1075
TOTAL	653	5	26	684	1942	2456	4398	818	3	4	825	2930
MONTGOMERY LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	153	33	83	269	147	424	571	419	40	5	464	514
DNBOUND STATISTICS	137	32	87	256	342	247	589	398	40	5	443	276
TOTAL	290	65	170	525	489	671	1160	817	80	10	907	790
NEW CUMBERLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	248	0	11	259	228	2162	2390	249	0	0	249	3211
DNBOUND STATISTICS	232	0	5	237	1666	677	2343	232	0	0	232	885
TOTAL	480	0	16	496	1894	2839	4733	481	0	0	481	4096
NEW CUMBERLAND LK & DAM AUX 1	xxx											
UPBOUND STATISTICS	132	35	44	211	163	168	331	176	26	5	207	222
DNBOUND STATISTICS	152	37	37	226	245	161	406	189	28	5	222	168
TOTAL	284	72	81	437	408	329	737	365	54	10	429	390
PIKE ISLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	301	1	8	310	335	2867	3202	302	0	0	302	4113
DNBOUND STATISTICS	287	0	4	291	2273	931	3204	287	0	1	288	1253
TOTAL	588	1	12	601	2608	3798	6406	589	0	1	590	5366
PIKE ISLAND LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	112	25	36	173	167	146	313	149	24	5	178	192
DNBOUND STATISTICS	136	16	24	176	201	194	395	160	14	4	178	211
TOTAL	248	41	60	349	368	340	708	309	38	9	356	403

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED										TONNAGE (KTONS)
			10/84			11/84			12/84				
RIVER/LOCK NAME		TOMS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	
(NAV, OPN, ETC)													
OHIO RIVER													
HANNIBAL LOCKS & DAM		XXX											
UPBOUND STATISTICS		301	1	2	304	810	2443	3253	301	1	1	303	3425
DNBOUND STATISTICS		282	0	3	285	1610	1727	3337	282	0	1	283	2402
TOTAL		583	1	5	589	2420	4170	6590	583	1	2	586	5828
HANNIBAL LOCKS & DAM AUX 1		XXX											
UPBOUND STATISTICS		51	10	13	74	38	113	151	65	7	11	83	115
DNBOUND STATISTICS		62	13	13	88	90	98	188	77	12	13	102	100
TOTAL		113	23	26	162	128	211	339	142	19	24	185	216

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H#	DISTRICT NAME PITTSBURGH			DIVISION NAME OHIO RIVER			MONTHS REPORTED													
							10/84			11/84			12/84							
ALL TIMES EXPRESSED IN MINUTES																				
APPROACH			LOCK PROCESSING TIME (MIN.)									:	DELAYED	DELAY	DELAY	DELAY				
			ENTRY			CHAMBER			EXIT			:	TOWS	TIME	AVG	MAX				
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLS)		
ALLEGHENY RIVER																				
LOCK & DAM 2	1	5	31	:	1	4	21	:	5	7	17	:	1	6	28	:	123	7049	13.8	1520
LOCK & DAM 3	1	6	50	:	1	4	23	:	6	7	10	:	1	6	71	:	127	4857	9.0	193
LOCK & DAM 4	1	6	36	:	1	5	20	:	6	8	20	:	1	7	45	:	92	3554	7.2	150
LOCK & DAM 5	1	4	23	:	1	4	14	:	7	8	28	:	1	5	51	:	30	391	1.1	42
LOCK & DAM 6	2	4	15	:	2	4	5	:	7	8	10	:	2	5	15	:	38	499	1.4	59
LOCK & DAM 7	2	4	5	:	2	4	5	:	8	8	10	:	2	4	5	:	2	5	0.0	23
LOCK & DAM 8	2	4	10	:	2	4	5	:	7	7	8	:	1	4	5	:	4	18	0.0	33
LOCK & DAM 9	2	4	6	:	2	2	3	:	8	8	10	:	2	2	3	:	0	0	0.0	19
MONONGAHELA RIVER																				
LOCK & DAM 2	1	11	49	:	1	5	34	:	5	11	37	:	2	7	39	:	152	4737	6.9	180
LOCK & DAM 2 AUX 1	1	8	38	:	1	2	8	:	5	6	17	:	1	2	8	:	19	229	0.9	83
LOCK & DAM 3	1	11	36	:	2	6	18	:	7	10	17	:	3	6	16	:	315	9205	8.9	175
LOCK & DAM 3 AUXILIARY 1	1	7	25	:	1	2	11	:	5	7	14	:	1	3	10	:	11	147	0.8	35
LOCK & DAM 4	1	11	33	:	2	6	20	:	5	9	28	:	1	7	57	:	241	6732	7.1	140

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH			DIVISION NAME OHIO RIVER			MONTHS REPORTED											
							10/84				11/84				12/84			
APPROACH			LOCK PROCESSING TIME (MIN.) ENTRY			CHAMBER			EXIT			: DELAYED	DELAY	DELAY	DELAY			
												: TONS	TIME	AVG	MAX			
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:	TONS	TONS	TONS	(ALL VSLs)		
MONONGAHELA RIVER																		
LOCK & DAM 4 AUXILIARY 1	1	9	40	1	2	12	7	9	14	1	4	22	1	8	0.0	26		
MAXWELL LOCK & DAM	1	9	26	1	6	20	8	10	43	1	8	19	21	363	0.8	34		
MAXWELL LOCK & DAM AUX 1	1	13	55	1	7	22	5	11	29	2	9	20	22	284	0.7	39		
LOCK & DAM 7	1	6	37	1	4	15	5	5	44	1	9	36	327	16175	19.8	499		
LOCK & DAM 8	1	6	38	1	4	18	5	6	14	1	9	75	200	8050	10.9	425		
MORGANTOWN LOCK & DAM	3	5	40	5	5	25	5	10	20	5	5	15	0	0	0.0	2		
HILDEBRAND LOCK & DAM	2	5	25	1	3	10	7	11	20	1	3	10	1	61	2.1	61		
OPEKISKA LOCK & DAM	2	6	14	1	2	11	5	10	15	1	3	7	0	0	0.0	20		
OHIO RIVER																		
ENSWORTH LOCK & DAM	1	12	44	2	6	25	6	13	31	1	8	45	270	12784	14.8	230		
ENSWORTH LOCK & DAM AUX 1	1	8	24	2	3	10	5	8	40	2	3	10	28	492	1.8	78		
DASHIELDS LOCK & DAM	1	14	75	1	8	30	6	11	28	2	11	53	312	16640	20.0	410		
DASHIELDS LOCK & DAM AUX 1	1	10	35	1	2	16	5	6	15	1	3	38	20	333	1.5	69		
MONTGOMERY LOCK & DAM	1	10	43	1	9	46	6	14	49	2	12	106	278	21109	32.3	800		

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED															
			10/84				11/84				12/84							
ALL TIMES EXPRESSED IN MINUTES																		
			LOCK PROCESSING TIME (MIN.)									: DELAYED	DELAY	DELAY	DELAY			
APPROACH			ENTRY			CHAMBER			EXIT			: TONS	TIME	AVG	MAX			
MIN AVG MAX			: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:	TONS	TONS	TONS	(ALL VSLs)		
OHIO RIVER																		
MONTGOMERY LOCK & DAM AUX 1			1	5	54	1	5	29	5	9	60	1	6	54	203	53202	183.4	1810
NEW CUMBERLAND LOCK & DAM			2	22	60	2	7	34	9	15	43	3	13	31	77	3008	6.2	104
NEW CUMBERLAND LK & DAM AUX			1	13	51	1	3	13	8	12	24	1	9	34	32	538	1.8	39
PIKE ISLAND LOCK & DAM			1	16	60	2	11	27	7	14	26	3	11	24	117	3865	6.5	152
PIKE ISLAND LOCK & DAM AUX 1			1	11	49	1	5	42	6	13	25	2	8	33	12	221	0.8	61
HANNIBAL LOCKS & DAM			1	16	50	2	11	32	5	15	35	3	11	54	128	4601	7.8	117
HANNIBAL LOCKS & DAM AUX 1			1	13	43	1	5	15	5	14	26	3	9	20	5	90	0.7	39

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC K3	DISTRICT NAME JACKSONVILLE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME		LEN/MID/DRAFT (FT/FT/FT)		
CROSS FLA BRG CNL	11-HENRY HOLLAND BUCKMAN LOCK		0600/0084/15.0		
	12-EUREKA LOCK		0600/0084/15.0		
	13-INGLIS LOCK		0600/0084/15.0		
CANAVERAL HARBOR	21-CANAVERAL LOCK		0600/0090/15.0		
OKEECHOBEE WATERWAY	01-ST LUCIE LOCK & DAM		0250/0050/14.0		
	02-MOORE HAVEN LOCK		0250/0050/11.0		
	03-ORTONA LOCK & DAM		0250/0050/12.0		
	04-W P FRANKLIN LCK & CTRL STRCT		0400/0056/14.0		
	05-PORT MAYACA LOCK		0400/0056/14.0		
OKLAHAMA RIVER	31-MOSS BLUFF LOCK & DAM		0156/0030/55.0		

NO DATA RECORDED ON SUNNY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC KS	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
ALABAMA-COOSA RIVERS	11-CLAIBORNE LOCK & DAM		0600/0084/12.0		
	12-MILLERS FERRY LOCK & DAM		0600/0084/12.0		
	13-JONES BLUFF LOCK & DAM		0600/0084/12.0		
APLCH/CHTCH/FLNT RI	21-JIM WOODRUFF LOCK & DAM		0450/0082/12.0		
	22-GEORGE W ANDREWS LOCK & DAM		0450/0082/12.0		
	23-WALTER F GEORGE LOCK & DAM		0450/0082/12.0		
BLKWAR/TOMBIGBEE RI	01-COFFEEVILLE LOCK		0600/0110/12.0		
	02-DEMOPOLIS LOCK & DAM		0600/0110/12.0		
	03-WARRIOR LOCK & DAM		0600/0110/12.0		
	04-WILLIAM BACON OLIVER LK & DM		0460/0095/12.0		
	05-HOLT LOCK & DAM		0600/0110/12.0		
	06-JOHN HOLLIS BANKHEAD LK & DM		0600/0110/12.0		
PEARL RIVER	31-LOCK 1		0310/0065/ 9.0		
	32-LOCK 2		0310/0065/ 9.0		
	33-LOCK 3		0310/0065/ 9.0		
TENN TOMBIGBEE WATERWAY	41-GAINESVILLE LOCK & DAM		0600/0110/12.0		
	42-ALICEVILLE LOCK & DAM		0600/0110/12.0		
	43-COLUMBUS LOCK & DAM		0600/0110/12.0		
	44-ABERDEEN LOCK & DAM		0600/0110/12.0		
	45-LOCK A		0600/0110/12.0		
	46-LOCK B		0600/0110/12.0		
	47-LOCK C		0600/0110/12.0		
	48-LOCK D		0600/0110/12.0		
	49-LOCK E		0600/0110/12.0		
	50-BAY SPRINGS		0600/0110/12.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC K5	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTOMS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL (NAV, OPN, ETC)	
ALABAMA-COOSA RIVERS												
CLAIBORNE LOCK & DAM	xxx											
UPBOUND STATISTICS	97	78	3	178	319	20	339	102	78	6	186	26
DNBOUND STATISTICS	97	78	3	178	21	312	333	101	78	5	184	395
TOTAL	194	156	6	356	340	332	672	203	156	11	370	422
MILLERS FERRY LOCK & DAM	xxx											
UPBOUND STATISTICS	98	9	2	109	308	50	358	101	9	3	113	19
DNBOUND STATISTICS	101	8	5	114	22	332	354	104	8	3	115	413
TOTAL	199	17	7	223	330	382	712	205	17	6	228	433
JONES BLUFF LOCK & DAM	xxx											
UPBOUND STATISTICS	16	19	0	35	8	14	22	16	4	0	20	18
DNBOUND STATISTICS	19	17	0	36	18	10	28	19	4	0	23	9
TOTAL	35	36	0	71	26	24	50	35	8	0	43	27
APLCH/CHTCH/FLNT RI												
JIM WOODRUFF LOCK & DAM	xxx											
UPBOUND STATISTICS	120	17	8	145	151	83	234	131	15	10	156	136
DNBOUND STATISTICS	123	28	10	161	84	150	234	137	18	12	167	106
TOTAL	243	45	18	306	235	233	468	268	33	22	323	243
GEORGE W ANDREWS LOCK & DAM	xxx											
UPBOUND STATISTICS	58	42	6	106	59	39	98	65	33	3	101	64
DNBOUND STATISTICS	58	51	4	113	40	64	104	61	38	4	103	53
TOTAL	116	93	10	219	99	103	202	126	71	7	204	117
WALTER F GEORGE LOCK & DAM	xxx											
UPBOUND STATISTICS	32	23	2	57	49	18	67	36	17	3	56	25
DNBOUND STATISTICS	36	25	0	61	19	52	71	39	19	3	61	37
TOTAL	68	48	2	118	68	70	138	75	36	6	117	62
BLKNAR/TOMBIGBEE RI												
COFFEEVILLE LOCK	xxx											
UPBOUND STATISTICS	479	13	17	509	1843	441	2284	484	7	11	502	677
DNBOUND STATISTICS	478	12	17	507	131	2183	2314	487	10	12	509	3294
TOTAL	957	25	34	1016	1974	2624	4598	971	17	23	1011	3972

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC K5	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
BLKHAR/TOMBIGBEE RI												
DEMOPOLIS LOCK & DAM	xxx											
UPBOUND STATISTICS	455	12	29	496	1764	438	2202	475	6	14	495	699
DNBOUND STATISTICS	452	11	22	485	110	2100	2210	467	5	11	483	3192
TOTAL	907	23	51	981	1874	2538	4412	942	11	25	978	3891
WARRIOR LOCK & DAM												
UPBOUND STATISTICS	490	4	11	505	1936	443	2379	495	2	5	502	688
DNBOUND STATISTICS	473	8	7	488	112	2195	2307	476	6	7	489	3370
TOTAL	963	12	18	993	2048	2638	4686	971	8	12	991	4059
WILLIAM BACON OLIVER LK & DM												
UPBOUND STATISTICS	451	8	67	526	1915	388	2303	754	8	14	776	564
DNBOUND STATISTICS	445	18	58	521	84	2200	2284	773	17	15	805	3339
TOTAL	896	26	125	1047	1999	2588	4587	1527	25	29	1581	3904
HOLT LOCK & DAM												
UPBOUND STATISTICS	416	6	8	430	1846	370	2216	423	4	4	431	542
DNBOUND STATISTICS	422	7	8	437	77	2169	2246	431	4	2	437	3269
TOTAL	838	13	16	867	1923	2539	4462	854	8	6	868	3811
JOHN HOLLIS BANKHEAD LK & DM												
UPBOUND STATISTICS	339	4	9	352	1285	366	1651	346	3	6	355	533
DNBOUND STATISTICS	341	7	6	354	106	1554	1660	346	1	7	354	2382
TOTAL	680	11	15	706	1391	1920	3311	692	4	13	709	2916
PEARL RIVER												
LOCK 1	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK 2	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK 3	xxx	NO DATA RECORDED FOR THIS LOCK										
TENN TOMBIGBEE WATERWAY												
GAINESVILLE LOCK & DAM	xxx											
UPBOUND STATISTICS	24	9	2	35	46	17	63	26	5	10	41	23
DNBOUND STATISTICS	23	6	2	31	8	48	56	25	6	15	46	68
TOTAL	47	15	4	66	54	65	119	51	11	25	87	92

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC K5	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC						MONTHS REPORTED				
								10/84	11/84		12/84	
RIVER/LOCK NAME	TONS	VESSEL	VESSEL	VESSEL	BARGES	BARGES	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
TENN TOMBIGBEE WATERWAY												
ALICEVILLE LOCK & DAM	xxx											
UPBOUND STATISTICS	18	42	15	75	27	11	38	42	36	15	93	20
DNBOUND STATISTICS	19	41	8	68	5	33	38	35	38	25	98	51
TOTAL	37	83	23	143	32	44	76	77	74	40	191	71
COLUMBUS LOCK & DAM	xxx											
UPBOUND STATISTICS	13	50	9	72	6	15	21	22	43	8	73	19
DNBOUND STATISTICS	12	52	13	77	8	16	24	27	46	6	79	19
TOTAL	25	102	22	149	14	31	45	49	89	14	152	38
ABERDEEN LOCK & DAM	xxx											
UPBOUND STATISTICS	0	7	1	8	0	0	0	1	7	4	12	0
DNBOUND STATISTICS	0	7	1	8	0	0	0	2	6	3	11	0
TOTAL	0	14	2	16	0	0	0	3	13	7	23	0
LOCK A	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK B	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK C	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK D	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK E	xxx	NO DATA RECORDED FOR THIS LOCK										
BAY SPRINGS	xxx	NO DATA RECORDED FOR THIS LOCK										

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC KS	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED															
			10/84				11/84				12/84							
			ALL TIMES EXPRESSED IN MINUTES															
APPROACH			LOCK ENTRY			PROCESSING TIME (MIN.)			CHAMBER			EXIT			: DELAYED	DELAY	DELAY	DELAY
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: TOWS	TIME	AVG	MAX
												: TOWS	TOWS	TOWS	(ALL VSLS)			
ALABAMA-COOSA RIVERS																		
CLAIBORNE LOCK & DAM	1	7	30	1	4	23	6	11	25	1	4	20	3	98	0.5	45		
MILLERS FERRY LOCK & DAM	2	11	30	2	7	20	5	15	31	2	7	20	8	263	1.3	145		
JONES BLUFF LOCK & DAM	1	3	13	1	3	15	5	17	28	2	4	11	2	7	0.2	5		
APLCH/CHTCH/FLNT RI																		
JIM WOODRUFF LOCK & DAM	2	5	19	2	5	31	7	12	26	2	5	21	17	424	1.7	58		
GEORGE W ANDREWS LOCK & DAM	1	2	4	1	2	9	12	15	27	1	2	10	0	0	0.0	0		
WALTER F GEORGE LOCK & DAM	1	4	35	1	4	16	5	15	49	1	4	19	0	0	0.0	0		
BLKNAR/TOMBIGBEE RI																		
COFFEEVILLE LOCK	1	11	36	1	5	21	5	12	23	1	10	44	365	15020	15.6	224		
DEMOPOLIS LOCK & DAM	1	12	39	1	4	18	5	14	35	1	11	100	342	15476	17.0	190		
WARRIOR LOCK & DAM	1	13	50	1	4	25	5	15	33	1	9	49	342	14914	15.4	301		
WILLIAM BACON OLIVER LK & DM	1	13	68	1	6	58	1	14	30	1	14	75	602	59447	66.3	586		
HOLT LOCK & DAM	1	12	41	1	7	38	5	19	45	1	9	25	263	12544	14.9	357		

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
K6	SAVANNAH	SOUTH ATLANTIC	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
SAVANNAH RIVER	01-NEW SAVANNAH BLUFF LOCK & DAM	0360/0056/12.0

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
K7	WILMINGTON	SOUTH ATLANTIC	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CAPE FEAR RIVER	01-LOCK & DAM 1	0200/0040/10.0
	02-LOCK & DAM 2	0200/0040/10.0
	03-WILLIAM O HUSKE LOCK & DAM	0300/0040/10.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC K7	DISTRICT NAME WILMINGTON	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED									
			10/84			11/84			12/84			
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
CAPE FEAR RIVER												
LOCK & DAM 1	xxx	ONLY FIRST AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	1	0	0	1	1	0	1	2	0	4	6	0
DNBOUND STATISTICS	1	3	0	4	0	1	1	2	1	1	4	0
TOTAL	2	3	0	5	1	1	2	4	1	5	10	0
LOCK & DAM 2	xxx	ONLY FIRST MONTH REPROTED										
UPBOUND STATISTICS	1	0	0	1	1	0	1	1	0	0	1	0
DNBOUND STATISTICS	1	1	2	4	0	1	1	2	1	0	3	0
TOTAL	2	1	2	5	1	1	2	3	1	0	4	0
WILLIAM O HUSKE LOCK & DAM	xxx											
UPBOUND STATISTICS	0	0	0	0	0	0	0	0	0	0	0	0
DNBOUND STATISTICS	0	3	0	3	0	0	0	0	1	0	1	0
TOTAL	0	3	0	3	0	0	0	0	1	0	1	0

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC K7	DISTRICT NAME			DIVISION NAME									MONTHS REPORTED															
	WILMINGTON			SOUTH ATLANTIC									10/84		11/84		12/84											
														ALL TIMES EXPRESSED IN MINUTES														
														LOCK PROCESSING TIME (MIN.)		:	DELAYED	DELAY	DELAY	DELAY								
														ENTRY		CHAMBER		EXIT		:	TOWS	TIME	AVG	MAX				
														MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLS)
CAPE FEAR RIVER																												
LOCK & DAM 1																												
LOCK & DAM 2																												
WILLIAM O HUSKE LOCK & DAM																												

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
L2	SACRAMENTO	SOUTH PACIFIC	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
SCRIMTO DWSHP CHNL	01-BARGE CANAL LOCK	0640/0086/23.0

NO DATA RECORDED ON SURRYRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
M3	GALVESTON	SOUTHWESTERN	10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
GULF INTRACOASTAL	11-COLORADO RIVER EAST LOCK	1200/0075/15.0			
	12-COLORADO RIVER WEST LOCK	1200/0075/15.0			
	13-BRAZOS EAST GATE	9999/0075/15.0			
	14-BRAZOS WEST GATE	9999/0075/15.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC N3	DISTRICT NAME GALVESTON	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED										
			10/84		11/84		12/84						
RIVER/LOCK NAME		TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES CONNER	LCKGES RECRTN	LCKGES OTHER (NAV, OPN, ETC)	LCKGES TOTAL	TONNAGE (KTONS)
GULF INTRACOASTAL													
COLORADO RIVER EAST LOCK		XXX											
UPBOUND STATISTICS		805	752	153	1710	421	1141	1562	284	0	627	911	2668
DNBOUND STATISTICS		847	635	86	1568	1147	530	1677	213	0	688	901	991
TOTAL		1652	1387	239	3278	1568	1671	3239	497	0	1315	1812	3659
COLORADO RIVER WEST LOCK		XXX											
UPBOUND STATISTICS		783	750	157	1690	439	1128	1567	143	0	759	902	2572
DNBOUND STATISTICS		822	690	89	1601	1134	510	1644	163	1	717	881	942
TOTAL		1605	1440	246	3291	1573	1638	3211	306	1	1476	1783	3514
BRAZOS EAST GATE		XXX											
UPBOUND STATISTICS		994	141	440	1575	446	1228	1674	3	2	1281	1280	2461
DNBOUND STATISTICS		966	159	420	1545	1107	565	1672	4	0	1211	1215	942
TOTAL		1960	300	860	3120	1553	1793	3346	7	2	2492	2495	3403
BRAZOS WEST GATE		XXX											
UPBOUND STATISTICS		952	245	435	1632	444	1190	1634	7	0	1105	1112	2455
DNBOUND STATISTICS		921	245	368	1534	1113	524	1637	0	0	1038	1038	898
TOTAL		1873	490	803	3166	1557	1714	3271	7	0	2143	2150	3354

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC #3	DISTRICT NAME GALVESTON	DIVISION NAME SOUTHWESTERN	CRUISE LOG FOR VESSEL RESOURCES										MONTHS REPORTED			
													10/84		11/84	
ALL TIMES EXPRESSED IN MINUTES																
												: DELAYED	DELAY	DELAY	DELAY	
												: TONS	TIME	AVG	MAX	
APPROACH			LOCK PROCESSING TIME (MIN.)									:	:	:	:	
			ENTRY	CHAMBER				EXIT	:	:	:	:	:	:		
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	:	:	:	:	
GULF INTRACOASTAL																
COLORADO RIVER EAST LOCK	1	2	18	1	1	20	1	4	59	1	1	26	1651	3267	1.9	60
COLORADO RIVER WEST LOCK	1	1	30	1	1	13	1	3	58	1	1	30	1604	2991	1.8	38
BRAZOS EAST GATE	1	0	47	1	0	60	1	0	1	1	1	51	1949	9600	4.8	545
BRAZOS WEST GATE	1	1	36	1	0	5	1	0	2	1	1	61	1856	5926	3.1	516

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 10/84 THROUGH 12/84
 INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED		
			10/84	11/84	12/84
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
ARKANSAS RIVER	01-NORRELL LOCK & DAM	0600/0110/12.0			
	02-LOCK & DAM 2	0600/0110/12.0			
	03-LOCK & DAM 3	0600/0110/12.0			
	04-LOCK & DAM 4	0600/0110/12.0			
	05-LOCK & DAM 5	0600/0110/12.0			
	06-DAVID D TERRY LOCK & DAM	0600/0110/12.0			
	07-MURRAY LOCK & DAM	0600/0110/12.0			
	08-TOAD SUCK FERRY LOCK & DAM	0600/0110/12.0			
	09-LOCK & DAM 9	0600/0110/12.0			
	10-DARDANELLE LOCK & DAM	0600/0110/12.0			
	11-OZARK LOCK & DAM	0600/0110/12.0			
	13-LOCK & DAM 13	0600/0110/12.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC #4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECR TN	OTHER	TOTAL	EMPTY	FULL	TOTAL	CONNER	RECR TN	OTHER	TOTAL	
(NAV, OPN, ETC)												
ARKANSAS RIVER												
NORRELL LOCK & DAM	XXX											
UPBOUND STATISTICS	166	8	23	197	573	310	883	174	7	21	202	420
DNBOUND STATISTICS	172	20	20	212	129	801	930	175	19	22	216	1096
TOTAL	338	28	43	409	702	1111	1813	349	26	43	418	1517
LOCK & DAM 2	XXX											
UPBOUND STATISTICS	167	9	15	191	573	324	897	181	8	8	197	441
DNBOUND STATISTICS	171	23	13	207	131	797	928	184	19	7	210	1162
TOTAL	338	32	28	398	704	1121	1825	365	27	15	407	1604
LOCK & DAM 3	XXX											
UPBOUND STATISTICS	150	15	15	180	525	306	831	163	11	32	206	422
DNBOUND STATISTICS	156	24	13	193	134	759	893	171	22	36	229	1032
TOTAL	306	39	28	373	659	1065	1724	334	33	68	435	1454
LOCK & DAM 4	XXX											
UPBOUND STATISTICS	150	12	14	176	523	322	845	160	12	13	185	401
DNBOUND STATISTICS	156	24	8	188	133	754	887	168	23	14	205	1034
TOTAL	306	36	22	364	656	1076	1732	328	35	27	390	1435
LOCK & DAM 5	XXX											
UPBOUND STATISTICS	132	23	7	162	415	268	683	141	20	10	171	339
DNBOUND STATISTICS	135	34	8	177	130	572	702	146	33	8	187	987
TOTAL	267	57	15	339	545	840	1385	287	53	18	358	1326
DAVID D TERRY LOCK & DAM	XXX											
UPBOUND STATISTICS	135	51	11	197	417	279	696	142	48	7	197	339
DNBOUND STATISTICS	134	59	13	206	128	575	703	148	57	7	212	909
TOTAL	269	110	24	403	545	854	1399	290	105	14	409	1249
MURRAY LOCK & DAM	XXX											
UPBOUND STATISTICS	114	60	7	181	389	240	629	123	47	5	175	306
DNBOUND STATISTICS	119	75	4	198	129	531	660	124	64	6	194	903
TOTAL	233	135	11	379	518	771	1289	247	111	11	369	1210
TOAD SUCK FERRY LOCK & DAM	XXX											
UPBOUND STATISTICS	110	27	3	140	374	236	610	114	17	10	141	302
DNBOUND STATISTICS	117	33	2	152	130	534	664	121	21	11	153	844
TOTAL	227	60	5	292	504	770	1274	235	38	21	294	1147

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC MA	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED									
			10/84			11/84			12/84			
RIVER/LOCK NAME	TOMS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
ARKANSAS RIVER												
LOCK & DAM 9	xxx											
UPBOUND STATISTICS	115	36	0	151	398	239	637	117	25	10	152	308
DNBOUND STATISTICS	115	48	4	167	126	527	653	120	34	7	161	833
TOTAL	230	84	4	318	524	766	1290	237	59	17	313	1141
DARDANELLE LOCK & DAM	xxx											
UPBOUND STATISTICS	124	27	85	236	396	235	631	131	14	15	160	299
DNBOUND STATISTICS	121	31	7	159	126	519	645	130	19	17	166	816
TOTAL	245	58	92	395	522	754	1276	261	33	32	326	1115
OZARK LOCK & DAM	xxx											
UPBOUND STATISTICS	113	15	4	132	393	225	618	118	13	8	139	288
DNBOUND STATISTICS	110	20	4	134	133	510	643	117	18	11	146	806
TOTAL	223	35	8	266	526	735	1261	235	31	19	285	1095
LOCK & DAM 13	xxx											
UPBOUND STATISTICS	117	19	2	138	388	228	616	120	15	8	143	285
DNBOUND STATISTICS	115	21	6	142	138	512	650	123	18	9	150	815
TOTAL	232	40	8	280	526	740	1266	243	33	17	293	1100

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC H5	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
	TULSA	SOUTHWESTERN	10/84	11/84	12/84

RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
ARKANSAS RIVER	21-W D MAYO LOCK & DAM		0600/0110/14.0		
	22-ROBERT S KERR LOCK & DAM &RES		0600/0110/14.0		
	23-WEBBERS FALLS LOCK & DAM		0600/0110/14.0		
	24-CHOUTEAU LOCK & DAM		0600/0110/14.0		
	25-NENT GRAHAM LOCK & DAM		0600/0110/14.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 10/84 THROUGH 12/84
INSTITUTE FOR WATER RESOURCES

EROC N5	DISTRICT NAME TULSA	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED									
			10/84		11/84		12/84					
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
ARKANSAS RIVER												
W D MAYO LOCK & DAM	xxx											
UPBOUND STATISTICS	109	44	2	155	375	179	554	113	17	6	136	236
DNBOUND STATISTICS	109	44	11	164	104	492	596	117	17	6	140	794
TOTAL	218	88	13	319	479	671	1150	230	34	12	276	1031
ROBERT S KERR LOCK & DAM &RES	xxx											
UPBOUND STATISTICS	109	42	3	154	375	179	554	113	29	7	149	235
DNBOUND STATISTICS	110	47	8	165	106	492	598	119	34	7	160	793
TOTAL	219	89	11	319	481	671	1152	232	63	14	309	1028
WEBBERS FALLS LOCK & DAM	xxx											
UPBOUND STATISTICS	98	20	2	120	263	180	443	102	13	10	125	241
DNBOUND STATISTICS	97	22	5	124	104	375	479	104	13	10	127	640
TOTAL	195	42	7	244	367	555	922	206	26	20	252	882
CHOUTEAU LOCK & DAM	xxx											
UPBOUND STATISTICS	96	4	5	105	228	143	371	102	2	6	110	186
DNBOUND STATISTICS	92	5	9	106	75	311	386	103	4	7	114	507
TOTAL	188	9	14	211	303	454	757	205	6	13	224	694
NEWT GRAHAM LOCK & DAM	xxx											
UPBOUND STATISTICS	95	8	4	107	225	145	370	100	8	3	111	189
DNBOUND STATISTICS	90	10	8	108	76	295	371	100	10	3	113	484
TOTAL	185	18	12	215	301	440	741	200	18	6	224	673

AD-A165 858

PERFORMANCE MONITORING SYSTEM: SUMMARY OF LOCK
STATISTICS FOR OCTOBER-DEC (U) CORPS OF ENGINEERS FORT
BELVOIR VA WATER RESOURCES SUPPORT CE

2/2

UNCLASSIFIED

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MICROCOPY RESOLUTION TEST CHART
NBS-1963-A

Appendix B

Glossary

Draft: This is not a physical lock dimension. It is compared with new data before it is added to the central library to ensure that vessel drafts are not recorded improperly.

Tows: Only tows with barges are included with this figure. Tows without barges (light boats) and other commercial vessels are counted as "other vessels."

Other vessels: All vessels other than tows with barges and recreational vessels.

Commercial lockages: The number of lockages for which the prime mover is a tow, a light boat, or another commercial vessel.

Recreational lockages: The number of lockages during which there are only recreational vessels using a lock.

Other lockages: The number of lockages during which the prime mover is a government vessel, a government contracted vessel (such as a dredge) or an unidentified type of vessel. Also included in this category are navigable and open pass lockages.

Total lockages: A lockage includes all lock activity necessary to process a tow and is counted only once when more than one vessel uses the lock. Thus, both cuts of a double cut lockage (e.g. only part of the tow will fit in the lock and it is necessary to process the tow in two pieces) count as a single lockage together and the count increases by only one when two tows are processed during a single lockage.

Processing time: Only the times needed to process tows with barges are included in these statistics.

Delayed vessels: Number of tows experiencing delay between arrival time and the time the lock is ready to process them.

Average delay: Average time of delay for all tows.

Maximum delay: Maximum delay time for vessels. This figure may reflect a single, extraordinary circumstance and should be evaluated accordingly.

END

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